

Table H. - Engineering Index Properties

Lyon County Area, Nevada

Absence of an entry indicates that the data were not estimated.

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
101: Ackley	In											
	0-10	Sandy Loam	SM	A-2	0	0	85-100	80-100	55-70	25-35	---	NP
	10-34	Sandy Clay Loam	CL	A-4	0	0	85-100	75-100	65-85	50-70	25-35	5-10
		Loam	CL-ML									
		Sandy Loam	ML									
	34-60	Fine Sandy Loam	SM	A-2 A-4	0	0	85-100	80-100	55-70	25-40	20-30	NP-5
102: Ackley	0-10	Gravelly Sandy Loam	SM	A-1 A-2	0	0	65-80	60-75	35-50	20-30	---	NP
	10-34	Sandy Clay Loam	CL	A-4	0	0	85-100	75-100	65-85	50-70	25-35	5-10
		Loam	CL-ML									
		Sandy Loam	ML									
	34-60	Fine Sandy Loam	SM	A-2 A-4	0	0	85-100	80-100	55-70	25-40	20-30	NP-5
103: Ackley	0-10	Sandy Loam	SM	A-2	0	0	85-100	80-100	55-70	25-35	---	NP
	10-34	Sandy Clay Loam	CL	A-4	0	0	85-100	75-100	65-85	50-70	25-35	5-10
		Loam	CL-ML									
		Sandy Loam	ML									
	34-60	Fine Sandy Loam	SM	A-2 A-4	0	0	85-100	80-100	55-70	25-40	20-30	NP-5
Ackley Variant	0-7	Sandy Loam	SM	A-2 A-4	0	0	85-100	80-100	55-70	25-40	---	NP
	7-25	Sandy Clay Loam	CL	A-4	0	0	85-100	75-100	65-85	50-70	25-35	5-10
		Loam	CL-ML									
		Sandy Loam	ML									
	25-60	Gypsiferous Material	GP	A-1	---	---	---	---	---	---	---	---

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
121: Appian	In											
	0-8	Loamy Sand	SM	A-2	0	0	95-100	90-100	50-65	15-30	---	NP
	8-18	Clay Loam	CL	A-6	0	0	95-100	90-100	75-90	40-60	35-45	15-20
	18-60	Sandy Clay Loam Coarse Sand Sand	SC SP SP-SM SW-SM	A-7 A-1	0	0	85-100	75-90	30-50	0-10	---	NP
122: Appian	0-8	Loam	CL	A-4	0	0	95-100	90-100	75-95	55-70	20-30	5-10
	8-18	Clay Loam	CL-ML									
		Clay Loam	CL	A-6	0	0	95-100	90-100	75-90	40-60	35-45	15-20
	18-60	Sandy Clay Loam Sand Coarse Sand	SC SP SP-SM SW-SM	A-7 A-1	0	0	85-100	75-90	30-50	0-10	---	NP
123: Appian	0-8	Loamy Sand	SM	A-2	0	0	95-100	90-100	50-65	15-30	---	NP
	8-18	Clay Loam	CL	A-6	0	0	95-100	90-100	75-90	40-60	35-45	15-20
		Sandy Clay Loam	SC	A-7								
	18-60	Sand Coarse Sand	SP SP-SM SW-SM	A-1	0	0	85-100	75-90	30-50	0-10	---	NP
Wabuska	0-9	Loam	CL	A-4	0	0	100	100	85-100	65-85	25-30	5-10
	9-60	Stratified Sand To Silt	CL-ML CL-ML ML SC-SM SM	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
123: Playas	In											
	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Silty Clay Loam Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
124: Appian	0-8	Loamy Sand	SM	A-2	0	0	95-100	90-100	50-65	15-30	---	NP
	8-18	Clay Loam	CL	A-6	0	0	95-100	90-100	75-90	40-60	35-45	15-20
		Sandy Clay Loam	SC	A-7								
	18-60	Sand Coarse Sand	SP SP-SM SW-SM	A-1	0	0	85-100	75-90	30-50	0-10	---	NP
Delp	0-1	Fine Sand	SM	A-2	0	0	100	100	65-80	20-35	---	NP
	1-60	Stratified Loamy Sand To Sandy Loam	SM	A-2	0	0	100	100	50-75	20-35	15-25	NP-5
	60-64	Stratified Sand To Loamy Fine Sand	SM	A-2	0	0	100	100	60-80	10-25	---	NP
141: Bango	0-2	Sandy Loam	SM	A-1 A-2	0	0-5	90-95	90-95	45-60	15-30	---	NP
	2-13	Loam Clay Loam Sandy Clay Loam	CL	A-6	0	0-5	90-100	90-100	75-90	55-75	30-35	10-15
	13-50	Stratified Gravelly Sandy Loam To Silty Clay	CL	A-6	0	0-5	85-95	85-95	70-90	55-75	25-35	10-15
	50-60	Sand	SM SW-SM	A-1 A-2 A-3	0	0-5	85-95	85-95	40-60	5-20	---	NP

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
141:	In											
142: Bango	0-2	Very Gravelly Loamy Sand	GM GP-GM GW-GM	A-1	0	0-5	40-55	35-50	20-35	5-15	---	NP
	2-13	Loam Clay Loam	CL	A-6	0	0-5	90-100	90-100	75-90	55-75	30-35	10-15
	13-60	Sandy Clay Loam Stratified Gravelly Fine Sandy Loam To Silty Clay	CL	A-6	0	0-5	85-95	85-95	70-90	55-75	25-35	10-15
151: Bluewing Variant	0-3	Clay	CH CL	A-7	0	0	100	100	95-100	85-95	45-65	25-40
	3-60	Clay Silty Clay	CH CL	A-7	0	0	100	100	95-100	85-95	45-65	25-40
161: Bluewing	0-3	Very Gravelly Sand	GW-GM	A-1	0	0-15	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Very Gravelly Sand To Extremely Gravelly Loamy Coarse Sand	GW-GM	A-1	0	10-25	30-40	25-35	15-25	5-10	---	NP
162: Bluewing	0-5	Very Stony Loamy Sand	GW-GM	A-1	5-20	15-20	30-40	25-35	15-25	5-10	---	NP
	5-60	Stratified Extremely Gravelly Sand To Extremely Gravelly Loamy Coarse	GW-GM	A-1	0-5	5-20	30-40	25-35	15-25	5-10	---	NP
171:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
171: Cagle	In											
	0-4	Very Stony Clay Loam	CL	A-6 A-7	5-25	5-30	85-95	80-90	75-85	55-65	35-45	15-25
	4-12	Gravelly Clay Loam Gravelly Clay Gravelly Silty Clay	CH CL GC	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
	12-28	Gravelly Silty Clay Gravelly Clay Loam Gravelly Clay	CH CL GC	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
	28-32	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Nosrac	0-2	Stony Clay Loam	GC	A-6	1-5	5-20	60-70	55-65	50-60	40-50	30-35	10-15
	2-9	Gravelly Clay Loam Gravelly Loam	GC SC	A-6	0-2	0-10	60-90	50-85	45-60	35-50	35-40	15-20
	9-18	Very Gravelly Loam Very Gravelly Clay Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
	18-60	Very Gravelly Fine Sandy Loam Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
181: Charlebois	0-8	Loam	CL CL-ML ML	A-4	0	0	100	95-100	80-95	60-75	25-35	5-10
	8-19	Clay Loam	CL	A-6	0	0	100	90-100	85-100	70-80	35-40	15-20
	19-60	Loam	CL CL-ML	A-4	0	0	85-100	80-100	70-95	50-75	25-30	5-10
Voltaire	0-20	Silty Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	80-90	35-45	15-20
	20-60	Stratified Loamy Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	80-90	65-75	30-40	10-20

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
181: Charlebois, Wet	---				---	---	---	---	---	---	---	---
182: Charlebois	0-8	Loam	CL CL-ML ML	A-4	0	0	100	95-100	80-95	60-75	25-35	5-10
	8-19	Clay Loam	CL	A-6	0	0	100	90-100	85-100	70-80	35-40	15-20
	19-60	Loam	CL CL-ML	A-4	0	0	85-100	80-100	70-95	50-75	25-30	5-10
184: Charlebois	0-8	Gravelly Loam	SC SC-SM SM	A-4	0	0	75-85	65-75	60-70	40-50	25-35	5-10
	8-19	Clay Loam	CL	A-6	0	0	100	90-100	85-100	70-80	35-40	15-20
	19-60	Loam	CL CL-ML	A-4	0	0	85-100	80-100	70-95	50-75	25-30	5-10
185: Charlebois	0-8	Sandy Loam	SM	A-2 A-4	0	0	95-100	90-100	55-70	30-40	15-25	NP-5
	8-19	Clay Loam	CL	A-6	0	0	100	90-100	85-100	70-80	35-40	15-20
	19-60	Loam	CL CL-ML	A-4	0	0	85-100	80-100	70-95	50-75	25-30	5-10
191: Chill	0-3	Gravelly Sandy Loam	SM	A-1 A-2	0	0	80-95	55-75	40-55	20-35	---	NP
	3-7	Gravelly Sandy Clay Loam	SC	A-2	0	0	90-100	50-75	40-60	25-35	35-45	15-20
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

Distribution Generation Date:

Page 6 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
191: Chill	In											
	0-3	Gravelly Sandy Loam	SM	A-1	0	0	80-95	55-75	40-55	20-35	---	NP
	3-7	Gravelly Sandy Clay Loam	SC	A-2	0	0	90-100	50-75	40-60	25-35	35-45	15-20
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
201: Cleaver	0-6	Loamy Fine Sand	SM	A-2	0	0	100	90-100	70-85	30-45	---	NP
	6-14	Gravelly Clay Loam	CL	A-4	0	0-5	75-85	60-75	50-70	45-60	35-45	15-20
	14-40	Indurated	SC	A-6								
			---	A-7	---	---	---	---	---	---	---	---
202: Cleaver	0-3	Gravelly Sandy Loam	SM	A-1	0	0-5	70-85	60-75	35-50	20-35	---	NP
	3-11	Gravelly Clay Loam	CL	A-2	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
		Gravelly Loam	SC	A-6								
	11-46	Indurated	---	A-7	---	---	---	---	---	---	---	---
	46-60	Stratified Extremely Gravelly Coarse Sand To Very Gravelly Sandy Loam	GP-GM GW GW-GM	A-1	0-5	10-25	15-30	10-25	5-15	0-10	---	NP
204: Cleaver	0-3	Stony Sandy Loam	GM	A-1	1-5	5-10	45-60	35-50	20-35	15-25	---	NP
	3-11	Gravelly Clay Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
		Gravelly Loam	SC	A-7								
	11-46	Indurated	---	---	---	---	---	---	---	---	---	---
206:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
206: Cleaver	In											
	0-3	Very Stony Loam	GC	A-2	5-15	5-15	50-65	40-55	30-45	25-40	20-30	5-10
	3-11	Gravelly Clay Loam	GC-GM	A-4								
		Gravelly Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
	11-46	Indurated	SC	A-7								
			---	---	---	---	---	---	---	---	---	---
207: Cleaver												
	0-3	Very Stony Loam	GC	A-2	5-15	5-15	50-65	40-55	30-45	25-40	20-30	5-10
	3-11	Gravelly Clay Loam	GC-GM	A-4								
		Gravelly Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
	11-46	Indurated	SC	A-7								
			---	---	---	---	---	---	---	---	---	---
208: Cleaver												
	0-3	Gravelly Sandy Loam	SM	A-1	0	0-5	70-85	60-75	35-50	20-35	---	NP
	3-11	Gravelly Clay Loam		A-2								
		Gravelly Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
	11-46	Indurated	SC	A-7								
	46-60	Stratified Extremely Gravelly Coarse Sand To Very Gravelly Sandy Loam	---	---	---	---	---	---	---	---	---	---
			GP-GM	A-1	0-5	10-25	15-30	10-25	5-15	0-10	---	NP
			GW									
			GW-GM									
Cleaver												
	0-3	Stony Sandy Loam	GM	A-1	1-5	5-10	45-60	35-50	20-35	15-25	---	NP
	3-11	Gravelly Clay Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
		Gravelly Loam	SC	A-7								
	11-46	Indurated	---	---	---	---	---	---	---	---	---	---
209:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
209: Cleaver	0-3	Very Gravelly Sandy Loam	GM	A-1	0-5	0-10	35-50	25-40	20-30	10-20	---	NP
	3-11	Gravelly Clay Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
		Gravelly Loam	SC	A-7								
	11-46	Indurated	---	---	---	---	---	---	---	---	---	---
	46-60	Stratified Extremely Gravelly Coarse Sand To Very Gravelly Sandy Loam	GP-GM GW GW-GM	A-1	0-5	10-25	15-30	10-25	5-15	0-10	---	NP
Cleaver	0-3	Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	70-85	60-75	35-50	20-35	---	NP
	3-11	Gravelly Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
		Gravelly Clay Loam	SC	A-7								
	11-46	Indurated	---	---	---	---	---	---	---	---	---	---
	46-60	Stratified Extremely Gravelly Coarse Sand To Very Gravelly Sandy Loam	GP-GM GW GW-GM	A-1	0-5	10-25	15-30	10-25	5-15	0-10	---	NP
214: Cleaver	0-4	Gravelly Loam	CL-ML ML SC-SM	A-4	0	0-5	70-85	60-75	55-70	35-60	15-30	NP-10
	4-12	Gravelly Clay Loam	CL	A-6	0	0-5	75-85	50-75	45-70	40-60	35-50	15-25
		Gravelly Loam	SC	A-7								
	12-60	Indurated	---	---	---	---	---	---	---	---	---	---
Bluewing	0-7	Very Gravelly Loamy Sand	GP-GM GW-GM	A-1	0	0-15	30-40	25-35	15-25	5-10	---	NP
	7-60	Stratified Very Gravelly Sand To Extremely Gravelly Loamy Coarse Sand	GP-GM GW-GM	A-1	0	10-25	30-40	25-35	15-25	5-10	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
214: Trodden	0-3	Gravelly Fine Sandy Loam	SM	A-1 A-2	0	0-10	65-85	50-75	40-60	20-30	20-25	NP-5
	3-60	Stratified Extremely Gravelly Loamy Coarse Sand To Gravelly Loam	GM SM	A-1	0	0-15	35-70	20-50	15-40	10-20	20-25	NP-5
221: Dalzell	0-3	Sand	SM SP-SM SW-SM	A-2 A-3	0	0	100	95-100	50-65	5-15	---	NP
	3-21	Loam Silty Clay Loam Sandy Clay Loam	CL SC	A-6 A-7	0	0	100	100	80-100	45-85	30-45	10-25
	21-28 28-60	Cemented Sandy Loam Loamy Sand Gravelly Coarse Sand	---	---	---	---	---	---	---	---	---	---
			SM SP-SM	A-1 A-2 A-3	0	0	100	70-100	30-70	5-35	---	NP
223: Dalzell	0-3	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	70-80	35-45	15-25
	3-21	Sandy Clay Loam Loam Silty Clay Loam	CL SC	A-6 A-7	0	0	100	100	80-100	45-85	30-45	10-25
	21-28 28-60	Cemented Gravelly Coarse Sand Sandy Loam Loamy Sand	---	---	---	---	---	---	---	---	---	---
			SM SP-SM	A-1 A-2 A-3	0	0	100	70-100	30-70	5-35	---	NP
231:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
231: Delp	In											
	0-5	Loamy Sand	SM	A-2	0	0	100	100	50-75	10-25	---	NP
	5-19	Stratified Loamy Sand To Sandy Loam	SM	A-2	0	0	100	100	50-75	20-35	15-25	NP-5
	19-60	Stratified Sand To Loamy Fine Sand	SM	A-2	0	0	100	100	60-80	10-25	---	NP
Lox	0-3	Gravelly Fine Sandy Loam	SM	A-2	0	0-5	80-95	60-75	50-60	30-45	15-25	NP-5
	3-8	Clay Loam Loam Sandy Clay Loam	CL	A-4 A-6 A-7	0	0	90-100	75-100	70-90	60-75	35-45	15-25
	8-60	Very Gravelly Sandy Loam Very Gravelly Loam	GM GW-GM	A-1 A-2	0	0-5	35-60	25-50	15-35	5-30	15-25	NP-5
232: Delp	0-5	Fine Sand	SM	A-2	0	0	100	100	65-80	20-35	---	NP
	5-19	Stratified Loamy Sand To Sandy Loam	SM	A-2	0	0	100	100	50-75	20-35	15-25	NP-5
	19-60	Stratified Sand To Loamy Fine Sand	SM	A-2	0	0	100	100	60-80	10-25	---	NP
Orizaba	0-3	Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-95	65-75	25-35	5-15
	3-60	Stratified Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	85-95	70-85	35-40	15-20
233: Delp	0-5	Sand	SM	A-2	0	0	100	100	50-75	10-25	---	NP
	5-19	Stratified Loamy Sand To Sandy Loam	SM	A-2	0	0	100	100	50-75	20-35	15-25	NP-5
	19-60	Stratified Sand To Loamy Fine Sand	SM	A-2	0	0	100	100	60-80	10-25	---	NP
241:												

Distribution Generation Date:

Page 11 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
241: Devada	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Gravelly Clay Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	---	Rock Outcrop			---	---	---	---	---	---	---	---
242: Devada	0-5	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	5-18	Gravelly Clay Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	18-22	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	---	Rock Outcrop			---	---	---	---	---	---	---	---
243: Devada	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-5	Clay Loam	CL	A-7	0	0-5	90-100	80-90	75-85	60-70	40-45	15-20
	5-13	Gravelly Clay Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
243: Devada	In											
	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-5	Clay Loam	CL	A-7	0	0-5	90-100	80-90	75-85	60-70	40-45	15-20
	5-13	Clay Gravelly Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Koontz, EXTREMELY	0-2	Extremely Stony Loam	GM	A-4	25-40	10-20	50-75	45-70	40-60	35-50	20-30	NP-5
	2-5	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	5-12	Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2 A-6	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
	12-16	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
244: Devada	0-4	Very Cobbly Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	0-5	30-65	55-75	50-70	40-50	30-45	25-35	5-15
	4-13	Clay Gravelly Clay	CH GC	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Koontz	0-7	Cobbly Loam	ML SM	A-4	1-5	5-15	80-90	70-80	45-60	40-55	20-30	NP-5
	7-14	Very Gravelly Loam Very Gravelly Clay Loam	GC	A-2 A-6	0-5	0-15	50-65	35-50	25-45	25-40	30-40	10-20
	14-18	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
251:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
			In		Pct	Pct						
251: Dia	0-20	Loam	CL	A-4	0	0	100	95-100	85-95	55-70	25-35	5-15
			CL-ML	A-6								
	20-24	Stratified Sandy Loam To Silty Clay Loam	CL	A-4	0	0	100	95-100	75-95	60-75	25-35	5-15
			CL-ML	A-6								
252: Dia	24-60	Coarse Sand	SM	A-2	0	0	95-100	90-100	50-70	5-15	---	NP
			SP-SM	A-3								
			SW-SM									
253: Dia	0-9	Clay Loam	CL	A-6	0	0	100	100	90-100	75-90	35-45	15-20
				A-7								
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
			CL-ML									
254: Dia	19-60	Sand	SM	A-2	0	0	95-100	90-100	50-70	5-15	---	NP
			SP-SM	A-3								
			SW-SM									
254: Dia	0-9	Clay Loam	CL	A-6	0	0	100	100	90-100	75-90	35-45	15-20
				A-7								
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
			CL-ML									
254: Dia	19-60	Sand	SM	A-2	0	0	95-100	90-100	50-70	5-15	---	NP
			SP-SM	A-3								
			SW-SM									

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
254:												
Dithod	0-11	Clay Loam	CL	A-6	0	0	100	100	80-100	60-75	35-40	15-20
	11-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC SC-SM SM	A-4	0	0	80-100	80-100	70-95	40-55	25-35	5-10
Dithod	0-11	Loam	CL CL-ML ML	A-4	0	0	100	100	80-100	50-65	25-35	5-10
	11-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC SC-SM SM	A-4	0	0	80-100	80-100	70-95	40-55	25-35	5-10
255:												
Dia	0-19	Loam	CL CL-ML	A-4 A-6	0	0	100	95-100	85-95	55-70	25-35	5-15
	19-24	Stratified Sandy Loam To Silty Clay Loam	CL CL-ML	A-4 A-6	0	0	100	95-100	75-95	60-75	25-35	5-15
	24-60	Sand	SM SP-SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
255: Dithod	In											
	0-11	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	60-75	35-45	15-20
	11-20	Silt Loam Loam	CL CL-ML ML	A-4	0	0	100	100	90-100	50-65	25-35	5-10
	20-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC SC-SM SM	A-4	0	0	90-100	85-100	75-90	45-55	25-35	5-10
256: Dia	0-19	Loam	CL CL-ML	A-4 A-6	0	0	100	95-100	85-95	55-70	25-35	5-15
	19-24	Stratified Sandy Loam To Silty Clay Loam	CL CL-ML	A-4 A-6	0	0	100	95-100	75-95	60-75	25-35	5-15
	24-60	Coarse Sand Sand	SM SP-SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
Sagouspe	0-16	Sandy Loam	ML SM	A-4	0	0	100	100	70-85	40-55	---	NP
	16-60	Stratified Coarse Sand To Silt Loam	SM	A-2 A-4	0	0	100	100	50-75	15-40	---	NP
Sagouspe	0-16	Loamy Sand	SM	A-2	0	0	100	100	50-70	10-20	---	NP
	16-60	Stratified Coarse Sand To Silt Loam	SM	A-2 A-4	0	0	100	100	50-75	15-40	---	NP
261:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
261: Dithod	In											
	0-11	Loam	CL	A-4	0	0	100	100	80-100	65-80	25-35	5-15
			CL-ML	A-6								
	11-20	Loam	CL	A-4	0	0	100	100	85-100	60-85	25-35	5-15
		Silt Loam	CL-ML	A-6								
	20-60	Stratified Sandy Loam To Clay Loam	CL	A-4	0	0	100	100	80-90	60-75	25-35	5-15
			CL-ML	A-6								
	60-64	Loamy Fine Sand Loamy Sand	SM	A-2	0	0	90-100	85-100	50-70	15-30	---	NP
262: Dithod												
	0-11	Loam	CL	A-4	0	0	100	100	85-95	60-75	25-30	5-10
			CL-ML									
	11-40	Loam	CL	A-6	0	0	100	100	85-100	65-85	25-35	10-15
		Silt Loam										
	40-60	Stratified Clay Loam To Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-90	35-45	10-20
			ML	A-7								
Dia, WET												
	0-9	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	75-90	35-45	15-20
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL-ML	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
	19-60	Sand	SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
Kimmerling												
	0-26	Loam	CL	A-6	0	0	100	90-100	80-90	60-70	30-35	10-15
	26-38	Stratified Fine Sandy Loam To Clay Loam	CL	A-6	0	0	100	90-100	80-90	65-80	30-40	10-20
	38-60	Cobbly Sandy Loam	SM	A-1	0-5	15-20	70-85	65-80	35-50	15-25	---	NP
263:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
263: Dithod	0-11	Clay Loam	CL	A-6	0	0	100	100	80-100	60-75	35-40	15-20
	11-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC SC-SM SM	A-4	0	0	80-100	80-100	70-95	40-55	25-35	5-10
Dia, WET	0-9	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	75-90	35-45	15-20
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL-ML	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
	19-60	Sand	SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
Kimmerling	0-26	Loam	CL	A-6	0	0	100	90-100	80-90	60-70	30-35	10-15
	26-38	Stratified Fine Sandy Loam To Clay Loam	CL	A-6	0	0	100	90-100	80-90	65-80	30-40	10-20
	38-60	Cobbly Sandy Loam	SM	A-1	0-5	15-20	70-85	65-80	35-50	15-25	---	NP
264: Dithod	0-11	Loam	CL CL-ML ML	A-4	0	0	100	100	80-100	50-65	25-35	5-10
	11-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC SC-SM SM	A-4	0	0	80-100	80-100	70-95	40-55	25-35	5-10

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
264: Dia, WET	In											
	0-9	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	75-90	35-45	15-20
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL-ML	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
Kimmerling	19-60	Sand	SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
	0-26	Loam	CL	A-6	0	0	100	90-100	80-90	60-70	30-35	10-15
	26-38	Stratified Fine Sandy Loam To Clay Loam	CL	A-6	0	0	100	90-100	80-90	65-80	30-40	10-20
265: Dithod	38-60	Cobbly Sandy Loam	SM	A-1	0-5	15-20	70-85	65-80	35-50	15-25	---	NP
	0-11	Clay Loam	CL	A-6	0	0	100	100	80-100	65-80	35-40	15-20
	11-20	Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-100	60-85	25-35	5-15
268: Dithod	20-60	Stratified Sandy Loam To Clay Loam	CL CL-ML	A-4 A-6	0	0	100	100	80-90	60-75	25-35	5-15
	60-64	Loamy Fine Sand Loamy Sand	SM	A-2	0	0	90-100	85-100	50-70	15-30	---	NP
	0-11	Clay Loam	CL	A-6	0	0	100	100	80-100	60-75	35-40	15-20
268: Dithod	11-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC SC-SM SM	A-4	0	0	80-100	80-100	70-95	40-55	25-35	5-10

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
268: Dia, WET	In											
	0-9	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	75-90	35-45	15-20
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL-ML	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
	19-60	Sand	SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
269: Dia												
	0-5	Loam	CL CL-ML	A-4 A-6	0	0	100	95-100	85-95	55-70	25-35	5-15
	5-29	Stratified Sandy Loam To Silty Clay Loam	CL CL-ML	A-4 A-6	0	0	100	95-100	75-95	60-75	25-35	5-15
	29-60	Coarse Sand Sand	SM SP-SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
Dithod												
	0-11	Loam	CL CL-ML	A-4 A-6	0	0	100	100	80-100	65-80	25-35	5-15
	11-20	Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	85-100	60-85	25-35	5-15
	20-60	Stratified Sandy Loam To Clay Loam	CL CL-ML	A-4 A-6	0	0	100	100	80-90	60-75	25-35	5-15
	60-64	Loamy Sand Loamy Fine Sand	SM	A-2	0	0	90-100	85-100	50-70	15-30	---	NP
Sagouspe												
	0-16	Sandy Loam	ML SM	A-4	0	0	100	100	70-85	40-55	---	NP
	16-60	Stratified Coarse Sand To Silt Loam	SM	A-2 A-4	0	0	100	100	50-75	15-40	---	NP
271:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
271: East Fork	0-14	Loam	CL	A-6	0	0	100	100	85-95	65-70	30-35	10-15
	14-60	Stratified Sand To Clay	CL	A-6 A-7	0	0	100	90-100	85-100	65-80	35-45	15-20
272: East Fork	0-14	Loam	CL	A-6	0	0	95-100	85-100	80-95	60-75	30-35	10-15
	14-60	Clay Loam	CL	A-6	0	0	100	95-100	85-100	60-80	35-45	15-20
		Sandy Clay Loam		A-7								
	60-64	Stratified Sand To Clay	CL	A-6 A-7	0	0	100	100	85-100	60-80	35-45	15-20
274: East Fork	0-14	Clay Loam	CL	A-6 A-7	0	0	100	100	90-95	70-75	35-45	15-20
	14-60	Stratified Sand To Clay	CL	A-6 A-7	0	0	100	90-100	85-100	65-80	35-45	15-20
275: East Fork	0-14	Clay Loam	CL	A-6 A-7	0	0	100	95-100	90-100	70-85	35-45	15-20
	14-60	Stratified Sand To Clay	CL	A-6	0	0	100	95-100	70-85	50-75	30-40	10-15
276: East Fork	0-8	Clay Loam	CL	A-6	0	0	100	100	90-100	70-85	35-40	15-20
	8-40	Sandy Clay Loam	CL	A-6	0	0	100	95-100	85-100	60-80	35-45	15-20
		Clay Loam		A-7								
	40-60	Clay	CL	A-7	0	0	100	100	90-100	85-100	45-50	20-25
		Silty Clay										
		Silty Clay Loam										
277:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
277: East Fork	0-14	Gravelly Clay Loam	CL GC SC	A-6 A-7	0	0	60-85	50-75	40-65	35-60	35-45	15-20
	14-60	Stratified Sand To Clay	CL	A-6 A-7	0	0	100	90-100	85-100	65-80	35-45	15-20
287: Erastra, EXTREMELY	0-3	Very Stony Coarse Sandy Loam	SM	A-1	25-50	0-15	85-95	45-70	25-40	10-25	15-25	NP-5
	3-7	Extremely Stony Coarse Sandy Loam Extremely Stony Sandy Clay Loam	SC SC-SM	A-2	15-40	0-15	85-95	45-70	10-40	10-25	25-30	5-10
	7-11	Extremely Stony Sandy Clay Loam Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
	11-14	Extremely Stony Sandy Clay Loam Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
	14-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-2	Very Gravelly Sandy Loam	SM	A-1	5-10	5-20	75-85	35-60	20-35	10-25	20-25	NP-5
Eaglerock, VERY STONY	2-5	Coarse Sandy Loam	SM	A-2	0	0-5	95-100	75-100	50-70	20-35	15-25	NP-5
	5-31	Very Gravelly Sandy Clay Loam Very Gravelly Sandy Loam Very Gravelly Loam	GC-GM SC SC-SM	A-2	0	0-10	55-70	35-50	25-40	15-30	25-30	5-10
	31-60	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
287: Erastra, EXTREMELY	In											
	0-3	Very Stony Coarse Sandy Loam	SM	A-1	25-50	0-15	85-95	45-70	25-40	10-25	15-25	NP-5
	3-7	Extremely Stony Sandy Clay Loam	SC SC-SM	A-2	15-40	0-15	85-95	45-70	10-40	10-25	25-30	5-10
	7-11	Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
	11-14	Extremely Stony Coarse Sandy Loam	SC SC-SM	A-2	15-40	0-15	70-85	30-55	10-40	10-25	25-30	5-10
	14-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
291: Fallon	0-10	Sand	SM SP-SM SW-SM	A-2 A-3	0	0	100	100	50-70	5-15	---	NP
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	---	NP
292: Fallon	0-10	Fine Sandy Loam	SM	A-2 A-4	0	0	100	100	60-80	25-40	---	NP
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	---	NP
293: Fallon	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
294: Fallon	In											
	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5
295: Fallon	0-10	Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5
301: Fernley	0-8	Loamy Sand	SM	A-2	0	0	95-100	90-100	50-70	5-25	---	NP
			SW-SM	A-3								
	8-60	Stratified Coarse Sand To Fine Sand	SM SP-SM SW-SM	A-1 A-2 A-3	0	0	85-100	75-100	45-70	5-15	---	NP
Dia, WET	0-9	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	75-90	35-45	15-20
	9-19	Stratified Sandy Loam To Silty Clay Loam	CL-ML	A-4	0	0	100	95-100	75-95	60-75	25-30	5-10
	19-60	Sand	SM SW-SM	A-2 A-3	0	0	95-100	90-100	50-70	5-15	---	NP
Kimmerling	0-26	Loam	CL	A-6	0	0	100	90-100	80-90	60-70	30-35	10-15
	26-38	Stratified Fine Sandy Loam To Clay Loam	CL	A-6	0	0	100	90-100	80-90	65-80	30-40	10-20
	38-60	Cobbly Sandy Loam	SM	A-1	0-5	15-20	70-85	65-80	35-50	15-25	---	NP
302:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
302: Fernley	In											
	0-8	Loamy Sand	SM	A-2	0	0	95-100	90-100	50-70	5-25	---	NP
	8-60	Stratified Coarse Sand To Fine Sand	SW-SM SM SP-SM SW-SM	A-3 A-1 A-2 A-3	0	0	95-100	85-100	45-70	5-15	---	NP
311: Fulstone	0-5	Cobbly Loam	GC-GM GM SC-SM SM	A-4	0-5	15-30	65-80	65-75	50-60	35-50	20-30	NP-10
	5-18	Clay	CH MH	A-7	0	0-5	95-100	90-100	85-100	70-85	50-65	20-35
	18-30	Indurated	---	---	---	---	---	---	---	---	---	---
	30-48	Very Cobbly Sandy Loam Extremely Cobbly Sandy Loam Extremely Gravelly Sand	GM GP-GM GW GW-GM	A-1	0-5	30-45	25-55	20-50	10-35	0-20	15-25	NP-5
312: Fulstone	0-5	Cobbly Loam	GC-GM GM SC-SM SM	A-4	0-5	15-30	65-80	65-75	50-60	35-50	20-30	NP-10
	5-18	Clay	CH MH	A-7	0	0-5	95-100	90-100	85-100	70-85	50-65	20-35
	18-30	Indurated	---	---	---	---	---	---	---	---	---	---
	30-48	Very Cobbly Sandy Loam Extremely Cobbly Sandy Loam Extremely Gravelly Sand	GM GP-GM GW GW-GM	A-1	0-5	30-45	25-55	20-50	10-35	0-20	15-25	NP-5
313:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
313: Fulstone	In											
	0-5	Very Stony Sandy Loam	GM	A-1	5-25	10-20	50-65	45-60	35-50	20-30	15-25	NP-5
	5-18	Clay	CH MH	A-2 A-7	0	0-5	95-100	90-100	85-100	70-85	50-65	20-35
	18-30 30-48	Indurated Very Cobbly Sandy Loam Extremely Cobbly Sandy Loam Extremely Gravelly Sand	--- GM GP-GM GW GW-GM	--- A-1	--- 0-5	--- 30-45	--- 25-55	--- 20-50	--- 10-35	--- 0-20	--- 15-25	--- NP-5
Fulstone	0-5	Very Stony Sandy Loam	GM	A-1	5-25	10-20	50-65	45-60	35-50	20-30	15-25	NP-5
	5-18	Clay	CH MH	A-2 A-7	0	0-5	95-100	90-100	85-100	70-85	50-65	20-35
	18-30 30-48	Indurated Very Cobbly Sandy Loam Extremely Cobbly Sandy Loam Extremely Gravelly Sand	--- GM GP-GM GW GW-GM	--- A-1	--- 0-5	--- 30-45	--- 25-55	--- 20-50	--- 10-35	--- 0-20	--- 15-25	--- NP-5
314: Fulstone	0-5	Cobbly Loam	GC-GM SC SC-SM	A-4	0	15-30	65-80	65-75	50-60	35-50	20-30	5-10
	5-18	Clay Gravelly Clay	CH MH	A-7	0	0-5	70-100	65-100	60-100	50-85	50-65	20-35
	18-55	Indurated	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
314: Reno	In											
	0-7	Cobbly Sandy Loam	SM	A-1 A-2	0	15-30	75-95	65-90	45-65	20-30	15-25	NP-5
	7-23	Clay Sandy Clay Gravelly Clay	CH CL SC	A-7	0	0-5	90-100	70-95	60-85	45-75	45-65	25-35
	23-50	Indurated	---	---	---	---	---	---	---	---	---	---
315: Fulstone	0-5	Cobbly Loam	GC-GM GM SC-SM	A-4	0-5	15-30	65-80	65-75	50-60	35-50	20-30	NP-10
	5-18	Clay	SM CH MH	A-7	0	0-5	95-100	90-100	85-100	70-85	50-65	20-35
	18-30	Indurated	---	---	---	---	---	---	---	---	---	---
	30-48	Very Cobbly Sandy Loam	GM	A-1	0-5	30-45	25-55	20-50	10-35	0-20	15-25	NP-5
		Extremely Cobbly Sandy Loam Extremely Gravelly Sand	GP-GM GW GW-GM									
Stucky	0-6	Extremely Cobbly Loam	GM	A-1 A-2	0-5	35-45	40-50	30-40	25-35	15-30	15-25	NP-5
	6-20	Extremely Cobbly Sandy Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
	20-60	Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15
321:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
321: Haybourne	In											
	0-11	Loam	ML	A-4	0	0	95-100	85-95	80-90	50-60	20-30	NP-5
	11-32	Gravelly Sandy Loam Fine Sandy Loam Sandy Loam	SM	A-2	0	0	75-100	70-100	50-60	25-35	20-25	NP-5
	32-60	Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	90-100	75-100	45-55	15-30	---	NP
341: Holbrook	0-10	Very Stony Sandy Loam	SM	A-1 A-2	5-25	10-25	60-70	50-60	35-45	20-30	15-20	NP-5
	10-60	Stratified Stony Sand To Extremely Gravelly Loam	GM	A-1	5-30	10-30	30-50	20-40	15-35	10-20	---	NP
343: Holbrook	0-7	Stony Sandy Loam	SM	A-1 A-2	1-5	5-10	80-90	70-80	45-55	20-30	---	NP
	7-60	Stratified Stony Sand To Extremely Gravelly Loam	GM	A-1	5-30	10-30	30-50	20-40	15-35	10-20	---	NP
Hotsprings	0-5	Gravelly Loamy Coarse	SM	A-1	0	0	80-95	50-75	30-45	10-25	---	NP
	5-60	Gravelly Loamy Sand Gravelly Loamy Coarse	SM	A-1	0	0-10	80-95	55-70	35-50	10-25	---	NP
344: Holbrook	0-8	Stony Sandy Loam	SM	A-1 A-2	1-5	5-10	80-90	70-80	45-55	20-30	---	NP
	8-60	Stratified Stony Sand To Extremely Gravelly Loam	GM	A-1	5-30	10-30	30-50	20-40	15-35	10-20	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
344: Shree	In											
	0-10	Very Gravelly Loam	GC	A-2	0	0-5	40-60	35-50	30-50	20-35	25-35	5-15
	10-26	Very Gravelly Sandy Clay Loam	GC-GM GC	A-2	0	5-10	45-55	25-40	20-30	10-25	35-45	15-20
	26-60	Very Gravelly Clay Loam Very Gravelly Sandy Loam Extremely Gravelly Loam Very Gravelly Fine Sandy Loam	GC GC-GM	A-2	0-5	0-30	45-55	25-40	15-25	10-15	20-35	5-15
352: Hotsprings	0-4	Loamy Coarse Sand	SM	A-1	0	0	95-100	85-95	45-70	15-30	---	NP
	4-60	Gravelly Loamy Sand Gravelly Loamy Coarse	SM	A-2 A-1	0	0-10	80-95	55-70	35-50	10-25	---	NP
353: Hotsprings	0-4	Gravelly Loamy Coarse	SM	A-1	0	0	80-95	50-75	30-45	10-25	---	NP
	4-60	Gravelly Loamy Sand Gravelly Loamy Coarse	SM	A-1	0	0-10	80-95	55-70	35-50	10-25	---	NP
354: Hotsprings	0-4	Gravelly Loamy Coarse	SM	A-1	0	0	80-95	50-75	30-45	10-25	---	NP
	4-60	Gravelly Loamy Sand Gravelly Loamy Coarse	SM	A-1	0	0-10	80-95	55-70	35-50	10-25	---	NP
Holbrook	0-8	Cobbly Loamy Coarse	SM	A-1	0	20-30	75-90	45-65	25-40	10-20	---	NP
	8-60	Stratified Stony Sand To Extremely Gravelly Loam	GM SM	A-1 A-2	0-10	10-40	45-70	40-65	30-50	15-30	---	NP
361:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
361: Hough	In											
	0-10	Sand	SM	A-2	0	0	100	90-100	50-75	10-20	---	NP
	10-21	Sandy Loam	CL	A-6	0	0	100	90-100	80-90	35-55	25-35	10-15
	21-60	Sandy Clay Loam Stratified Coarse Sand To Fine Sand	SC SM SW-SM	A-2 A-3	0	0	90-100	85-95	50-75	5-25	---	NP
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Loam Clay Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
371: Hyloc	0-5	Very Cobbly Sandy Loam	SC SC-SM	A-2	1-5	45-55	70-80	50-60	35-45	15-25	25-30	5-10
	5-18	Gravelly Clay Clay	CH	A-7	0	5-15	85-95	80-95	70-90	55-65	50-60	25-35
	18-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	24-28	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Ister	0-17	Extremely Stony Sandy	GM SM	A-1 A-2	25-40	0-5	45-70	40-65	30-45	15-35	20-30	NP-5
	17-38	Very Stony Clay Loam Very Stony Sandy Clay	GC SC	A-2 A-6 A-7	5-25	20-30	60-85	55-80	40-60	30-50	35-45	15-20
	38-42	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
372:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
372: Hyloc	In											
	0-5	Very Cobbly Sandy Loam	SC	A-2	1-5	45-55	70-80	50-60	35-45	15-25	25-30	5-10
	5-18	Gravelly Clay	SC-SM									
	18-24	Weathered Bedrock	CH	A-7	0	5-15	85-95	80-95	70-90	55-65	50-60	25-35
Ister	24-28	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-17	Very Stony Sandy Loam	---	---	---	---	---	---	---	---	---	---
	17-38	Very Stony Clay Loam	GM	A-2	5-20	5-10	60-80	55-75	35-55	25-40	20-30	NP-5
	38-42	Very Stony Sandy Clay	SM	A-4								
Rock Outcrop			GC	A-2	5-25	20-30	60-85	55-80	40-60	30-50	35-45	15-20
			SC	A-6								
				A-7								
			---	---	---	---	---	---	---	---	---	---
Fluvaquentic Endoaquolls					---	---	---	---	---	---	---	---
	0-12	Very Stony Sandy Loam	GC-GM	A-1	5-15	0-5	60-90	50-60	35-50	15-30	20-30	NP-10
	12-35	Clay Loam	GM	A-2								
	35-60	Silty Clay Loam	SC-SM									
391: Juva			SM									
			CL	A-6	0	0	100	100	80-100	75-95	35-40	15-20
			CL	A-4	0	0-5	60-90	60-85	45-80	35-60	15-25	5-15
			CL-ML	A-6								
			GC									
			GC-GM									
	0-4	Gravelly Silt Loam	GM	A-4	0	0-5	60-85	50-75	45-70	40-60	15-25	NP-5
	4-60	Stratified Gravelly Sand To Silt Loam	ML									
			SM									
			SM	A-1	0	0-5	90-100	75-95	45-60	20-35	20-35	NP-5
				A-2								

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
391:	In											
392: Juva	0-4	Gravelly Fine Sandy Loam	GM SM	A-2	0	0-5	60-85	50-75	40-65	25-35	15-25	NP-5
	4-60	Stratified Gravelly Sand To Silt Loam	SM	A-1 A-2	0	0-5	90-100	75-95	45-60	20-35	20-35	NP-5
401: Lahontan	0-10	Silty Clay Loam	CL	A-6 A-7	0	0	95-100	90-100	85-100	80-85	35-45	15-20
	10-60	Stratified Silt Loam To Clay	CH CL	A-7	0	0	100	100	90-100	70-90	45-65	20-35
411: Lapon	0-2	Extremely Stony Loam	GC GC-GM	A-2	25-45	15-30	50-60	35-50	30-40	20-35	25-35	5-10
	2-10	Very Gravelly Clay Loam	GC	A-2	0-5	10-25	40-60	35-55	25-50	20-35	35-40	15-20
	10-20	Indurated	---	---	---	---	---	---	---	---	---	---
	20-24	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
412: Lapon	0-2	Extremely Stony Loam	GC GC-GM	A-2	25-45	15-30	50-60	35-50	30-40	20-35	25-35	5-10
	2-10	Very Gravelly Clay Loam	GC	A-2	0-5	10-25	40-60	35-55	25-50	20-35	35-40	15-20
	10-20	Indurated	---	---	---	---	---	---	---	---	---	---
	20-24	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rubble Land	---				---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth In	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
412:												
413: Lapon	0-2	Very Cobbly Silt Loam	GC GC-GM GM	A-2 A-4	5-10	25-40	45-70	40-65	30-50	25-40	25-35	5-10
	2-10	Very Gravelly Clay Loam	GC	A-2	0-5	10-25	40-60	35-55	25-50	20-35	35-40	15-20
	10-20	Indurated	---	---	---	---	---	---	---	---	---	---
	20-24	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Fulstone	0-5	Cobbly Loam	GC-GM GM SC-SM	A-4	0-5	15-30	65-80	65-75	50-60	35-50	20-30	NP-10
	5-18	Clay	SM CH MH	A-7	0	0-5	95-100	90-100	85-100	70-85	50-65	20-35
	18-30	Indurated	---	---	---	---	---	---	---	---	---	---
	30-48	Extremely Gravelly Sand	GM	A-1	0-5	30-45	25-55	20-50	10-35	0-20	15-25	NP-5
		Extremely Cobbly Sandy Loam	GP-GM GW GW-GM									
Old Camp	0-4	Very Stony Loam	GC-GM GM	A-2 A-4	5-25	20-30	60-70	55-65	45-55	30-40	15-25	NP-10
	4-17	Very Cobbly Clay Loam Extremely Stony Sandy Clay Loam	GC	A-2 A-6	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
	17-21	Very Stony Clay Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
441:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
441: Lunder	In											
	0-7	Very Cobbly Loam	CL	A-4	0-5	35-65	75-90	70-85	70-85	50-65	25-35	5-15
	7-16	Cobbly Clay	CL-ML	A-6								
	16-31	Indurated	CH	A-7	0-5	10-30	75-95	70-90	60-75	55-70	55-70	30-40
	31-60	Extremely Cobbly Sandy Loam	GM	A-1	0-15	30-65	40-55	30-45	20-35	5-20	---	NP
			GW-GM									
451: Obanion	0-11	Loamy Coarse Sand	SM	A-1	0	0	90-100	85-100	30-60	15-30	---	NP
				A-2								
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6	0	0	95-100	90-100	70-85	35-50	30-45	10-20
				A-7								
452: Obanion	0-11	Sandy Loam	SC-SM	A-2	0	0	95-100	85-100	55-70	25-40	20-30	NP-10
			SM	A-4								
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6	0	0	95-100	90-100	70-85	35-50	30-45	10-20
				A-7								
453: Obanion	0-11	Sandy Loam	SC-SM	A-2	0	0	95-100	85-100	55-70	25-40	20-30	NP-10
			SM	A-4								
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6	0	0	95-100	90-100	70-85	35-50	30-45	10-20
				A-7								
Obanion	0-11	Loamy Coarse Sand	SM	A-1	0	0	90-100	85-100	30-60	15-30	---	NP
				A-2								
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6	0	0	95-100	90-100	70-85	35-50	30-45	10-20
				A-7								
462:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
462: Olac	In											
	0-4	Very Stony Loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-14	Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	14-18	Extremely Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
464: Olac	0-3	Very Stony Loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	3-10	Extremely Gravelly Loam Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	10-14	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	---				---	---	---	---	---	---	---	---
Rock Outcrop	---											
466: Olac	0-4	Very Stony Loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-14	Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	14-18	Extremely Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Ister	0-11	Extremely Stony Sandy	GM SM	A-1 A-2	25-40	0-5	45-70	40-65	30-45	15-35	20-30	NP-5
	11-38	Very Stony Sandy Clay Very Stony Clay Loam	GC SC	A-2 A-6 A-7	5-25	20-30	60-85	55-80	40-60	30-50	35-45	15-20
	38-42	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	---				---	---	---	---	---	---	---	---
Rock Outcrop	---											

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
467: Olac	0-3	Extremely Stony Loam	GC	A-2	25-40	15-25	40-60	35-55	25-40	20-30	25-30	10-15
	3-10	Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	10-14	Extremely Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Old Camp	0-2	Extremely Stony Sandy	SM	A-1	25-50	5-10	60-70	55-65	35-45	15-25	15-25	NP-5
	2-19	Very Stony Clay Loam Very Cobbly Clay Loam Extremely Stony Sandy Clay Loam	GC	A-2 A-6	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
	19-23	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
471: Oppio	0-6	Very Stony Fine Sandy	SM	A-1 A-2	5-25	10-20	65-75	45-65	35-50	20-30	10-20	NP-5
	6-31	Gravelly Clay	GC GM	A-7	0	0-5	60-70	50-60	45-55	40-50	50-60	20-30
	31-35	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Nosrac	0-12	Stony Clay Loam	GC	A-6	1-5	5-20	60-70	55-65	50-60	40-50	30-35	10-15
	12-60	Very Gravelly Loam Very Gravelly Clay Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
	60-64	Very Gravelly Loam Very Gravelly Fine Sandy Loam Very Gravelly Clay Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
481:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
481: Orizaba	0-3	Sandy Loam	SM	A-2	0	0	100	95-100	70-85	30-40	20-30	NP-5
	3-60	Stratified Sand To Silty Clay Loam	CL	A-4 A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
482: Orizaba	0-3	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	3-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
483: Orizaba	0-3	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	3-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	85-95	70-85	35-40	15-20
484: Orizaba	0-3	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	15-25
	3-60	Stratified Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
486: Orizaba	0-3	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	3-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
Delp	0-5	Sand	SM	A-2	0	0	100	100	50-75	10-25	---	NP
	5-19	Stratified Loamy Sand To Sandy Loam	SM	A-2	0	0	100	100	50-75	20-35	15-25	NP-5
	19-60	Stratified Sand To Loamy Fine Sand	SM	A-2	0	0	100	100	60-80	10-25	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
486:	In											
491: Otomo	0-4	Gravelly Sandy Loam	GM SM	A-1 A-2	0	0-10	55-75	50-70	30-45	15-30	15-25	NP-5
	4-10	Very Gravelly Sandy Loam	GM	A-1	0	0-10	35-55	30-50	15-30	10-20	15-25	NP-5
	10-23	Indurated	---	---	---	---	---	---	---	---	---	---
	23-60	Extremely Gravelly Loamy Sand	GP-GM GW	A-1	0	0-15	15-55	10-50	5-20	0-10	---	NP
		Extremely Gravelly Sandy Loam	GW-GM									
		Very Gravelly Loamy Sand										
501: Parran	0-3	Silty Clay Loam	CL	A-7	0	0	100	100	95-100	85-100	40-45	15-20
	3-40	Clay	CH	A-7	0	0	100	100	95-100	85-100	45-60	20-30
		Silty Clay	CL									
	40-60	Silty Clay Loam	CH	A-7	0	0	100	100	95-100	85-100	45-60	20-30
		Silty Clay	CL									
		Silty Clay Loam										
511: Patna	0-5	Fine Sand	SM	A-2	0	0	95-100	95-100	70-80	20-35	---	NP
	5-15	Sandy Loam	SC	A-4	0	0	95-100	95-100	65-80	35-50	25-30	5-10
		Fine Sandy Loam	SC-SM									
	15-60	Coarse Sandy Loam	SM	A-2	0	0	95-100	95-100	50-60	5-20	---	NP
		Sand	SW-SM	A-3								
		Loamy Sand										
512:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
512: Patna	In											
	0-5	Fine Sand	SM	A-2	0	0	95-100	95-100	70-80	20-35	---	NP
	5-15	Fine Sandy Loam	SC	A-4	0	0	95-100	95-100	65-80	35-50	25-30	5-10
		Coarse Sandy Loam	SC-SM									
		Sandy Loam										
	15-60	Loamy Sand	SM	A-2	0	0	95-100	95-100	50-60	5-20	---	NP
		Sand	SW-SM	A-3								
514: Patna	0-8	Loamy Sand	SM	A-2	0	0	95-100	95-100	60-70	10-25	---	NP
	8-15	Sandy Loam	SM	A-4	0	0	95-100	95-100	65-80	35-50	25-30	NP-5
	15-43	Sand	SM	A-2	0	0	95-100	95-100	60-70	5-20	---	NP
		Loamy Sand	SW-SM	A-3								
	43-60	Silt Loam	CL	A-6	0	0	95-100	95-100	85-95	75-90	30-40	10-20
		Silty Clay Loam										
516: Patna	0-5	Sand	SM	A-2	0	0	95-100	95-100	60-70	15-25	---	NP
	5-15	Coarse Sandy Loam	SC	A-4	0	0	95-100	95-100	65-80	35-50	25-30	5-10
		Fine Sandy Loam	SC-SM									
		Sandy Loam										
	15-60	Loamy Sand	SM	A-2	0	0	95-100	95-100	50-60	5-20	---	NP
		Sand	SW-SM	A-3								
517: Patna	0-5	Loamy Sand	SM	A-2	0	0	95-100	95-100	60-70	15-25	---	NP
	5-15	Sandy Loam	SC	A-4	0	0	95-100	95-100	65-80	35-50	25-30	5-10
		Fine Sandy Loam	SC-SM									
		Coarse Sandy Loam										
	15-60	Sand	SM	A-2	0	0	95-100	95-100	50-60	5-20	---	NP
		Loamy Sand	SW-SM	A-3								

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
517: Hough	In											
	0-10	Sand	SM	A-2	0	0	100	90-100	50-75	10-20	---	NP
	10-21	Sandy Clay Loam	CL	A-6	0	0	100	90-100	80-90	35-55	25-35	10-15
	21-60	Sandy Loam Stratified Coarse Sand To Fine Sand	SC SM SW-SM	A-2 A-3	0	0	90-100	85-95	50-75	5-25	---	NP
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Silty Clay Loam Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
518: Patna	0-3	Sandy Loam	SM	A-2	0	0	95-100	95-100	60-70	30-40	---	NP
	3-30	Sandy Loam	SM	A-4	0	0	95-100	95-100	65-80	35-50	25-30	NP-5
	30-60	Gravelly Coarse Sand	SM	A-1	0	0	85-95	50-60	20-30	5-15	---	NP
			SP-SM SW-SM									
519: Patna	0-7	Loam	ML	A-4	0	0	95-100	95-100	85-95	60-75	20-25	NP-5
	7-34	Sandy Loam	SC	A-4	0	0	95-100	95-100	65-80	35-50	25-30	5-10
		Fine Sandy Loam	SC-SM									
		Coarse Sandy Loam										
	34-60	Sand	SM	A-2	0	0	95-100	95-100	50-60	5-20	---	NP
	60-64	Loamy Sand	SW-SM	A-3								
		Loamy Sand	SM	A-2	0	0	95-100	95-100	60-80	15-35	---	NP
		Fine Sand										
		Loamy Fine Sand										

Distribution Generation Date:

Page 40 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
521: Pizene	In											
	0-6	Sandy Loam	SM	A-2 A-4	0	0	100	75-100	60-70	30-40	15-20	NP-5
	6-21	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	100	100	70-85	35-50	30-40	10-20
	21-60	Sandy Loam Fine Sandy Loam	ML SM	A-4	0	0	100	100	70-85	35-55	15-20	NP-5
522: Pizene	0-6	Sandy Loam	SM	A-2 A-4	0	0	100	75-100	60-70	30-40	15-20	NP-5
	6-21	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	100	100	70-85	35-50	30-40	10-20
	21-60	Sandy Loam Fine Sandy Loam	ML SM	A-4	0	0	100	100	70-85	35-55	15-20	NP-5
Orizaba	0-3	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	15-25
	3-60	Stratified Sand To Silty Clay Loam	CL	A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
523: Pizene	0-6	Loam	CL CL-ML	A-4	0	0	100	95-100	75-90	60-75	20-30	5-10
	6-21	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	100	100	70-85	35-50	30-40	10-20
	21-60	Sandy Loam Fine Sandy Loam	ML SM	A-4	0	0	100	100	70-85	35-55	15-20	NP-5
524: Pizene	0-6	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	20-35	---	NP
	6-21	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	100	100	70-85	35-50	30-40	10-20
	21-60	Sandy Loam Fine Sandy Loam	ML SM	A-4	0	0	100	100	70-85	35-55	15-20	NP-5

Distribution Generation Date:

Page 41 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
524:	In											
531: Perazzo	0-4	Gravelly Loam	GC GC-GM SC-SM	A-2 A-4	0	0-5	55-70	50-65	45-60	30-45	20-30	5-10
	4-18	Very Gravelly Sandy Clay Loam Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2	0	0-5	40-60	35-50	30-40	20-35	30-40	10-15
	18-60	Extremely Gravelly Loamy Sand Extremely Gravelly Sand	GP-GM GW GW-GM	A-1	0	0-5	20-30	15-25	10-20	0-10	---	NP
532: Perazzo	0-4	Gravelly Loam	GC GC-GM SC-SM	A-2 A-4	0	0-5	55-70	50-65	45-60	30-45	20-30	5-10
	4-13	Very Gravelly Sandy Clay Loam Very Gravelly Clay Loam Very Gravelly Loam	GC	A-2	0	0-5	40-60	35-50	30-40	20-35	30-40	10-15
	13-21	Extremely Gravelly Sandy Loam Extremely Gravelly Loam	GM GP-GM GW-GM	A-1	0	0-5	20-30	15-25	10-20	5-15	---	NP
	21-60	Extremely Gravelly Sand Extremely Gravelly Loamy Sand	GP-GM GW GW-GM	A-1	0	0-5	20-30	15-25	10-20	0-10	---	NP
534:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
534: Perazzo	In											
	0-4	Very Gravelly Sandy Loam	GM	A-1	0-2	0-10	40-60	35-50	25-35	10-20	20-30	NP-5
	4-18	Very Gravelly Clay Loam	GC	A-2	0	0-5	40-60	35-50	30-40	20-35	30-40	10-15
		Very Gravelly Loam										
		Very Gravelly Sandy Clay Loam										
	18-60	Extremely Gravelly Loamy Sand	GP-GM GW	A-1	0	0-5	20-30	15-25	10-20	0-10	---	NP
		Extremely Gravelly Sand	GW-GM									
535: Perazzo	0-4	Very Stony Sandy Loam	GM	A-1	5-25	5-20	40-55	35-50	20-35	10-20	20-30	NP-5
	4-18	Very Gravelly Sandy Clay Loam	GC	A-2	0-5	0-5	40-60	35-50	30-40	20-35	30-40	10-15
		Very Gravelly Clay Loam										
	18-60	Extremely Gravelly Sand	GP-GM GW	A-1	0	0-5	20-30	15-25	10-20	0-10	---	NP
		Extremely Gravelly Loamy Sand	GW-GM									
541: Uripnes	0-9	Very Gravelly Sandy Loam	GM SM	A-1	0	0-5	50-65	30-45	20-35	10-20	---	NP
	9-30	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	30-34	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Chill	0-3	Gravelly Sandy Loam	SM	A-1	0	0	80-95	55-75	40-55	20-35	---	NP
	3-7	Gravelly Sandy Clay Loam	SC	A-2	0	0	90-100	50-75	40-60	25-35	35-45	15-20
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
551:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
551: Rawe	In											
	0-1	Gravelly Sandy Loam	SM	A-1 A-2	0	0	70-90	60-75	45-60	20-35	15-25	NP-5
	1-10	Gravelly Clay Clay	CL SC	A-7	0	0	75-95	60-90	40-65	35-60	40-50	15-25
	10-60	Stratified Extremely Gravelly Coarse Sandy Loam To Very Gravelly Sandy Loam	GM GP GP-GM GW-GM	A-1	0	0	45-60	10-50	5-35	0-20	---	NP
552: Rawe	0-1	Gravelly Sandy Loam	SM	A-1 A-2	0	0	70-90	60-75	45-60	20-35	15-25	NP-5
	1-10	Gravelly Clay Clay	CL SC	A-7	0	0	75-95	60-90	40-65	35-60	40-50	15-25
	10-60	Stratified Extremely Gravelly Coarse Sandy Loam To Very Gravelly Sandy Loam	GM GP GP-GM GW-GM	A-1	0	0	45-60	10-50	5-35	0-20	---	NP
Rawe	0-1	Loamy Sand	SM	A-1 A-2	0	0	95-100	90-100	45-75	15-30	---	NP
	1-10	Gravelly Clay Clay	CL SC	A-7	0	0	75-95	60-90	40-65	35-60	40-50	15-25
	10-60	Stratified Extremely Gravelly Coarse Sandy Loam To Very Gravelly Sandy Loam	GM GP GP-GM GW-GM	A-1	0	0	45-60	10-50	5-35	0-20	---	NP
553:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
553: Rawe	In											
	0-1	Gravelly Sandy Loam	SM	A-1 A-2	0	0	70-90	60-75	45-60	20-35	15-25	NP-5
	1-10	Gravelly Clay Clay	CL SC	A-7	0	0	75-95	60-90	40-65	35-60	40-50	15-25
	10-60	Stratified Extremely Gravelly Coarse Sandy Loam To Very Gravelly Sandy Loam	GM GP GP-GM GW-GM	A-1	0	0	45-60	10-50	5-35	0-20	---	NP
Malpais	0-3	Gravelly Sandy Loam	SM	A-1	0	0-10	70-85	60-75	35-50	15-25	15-25	NP-5
	3-25	Very Gravelly Loam Very Gravelly Sandy Loam Very Cobbly Sandy Loam	GM	A-1 A-2	0-5	5-35	50-60	35-50	30-45	20-35	20-25	NP-5
	25-60	Extremely Cobbly Loam Very Cobbly Loam Extremely Cobbly Sandy Loam	GM	A-1 A-2	0-5	40-50	40-55	35-50	25-35	20-30	20-25	NP-5
561: Rebel	0-14	Sandy Loam	SM	A-2	0	0	95-100	90-100	50-65	20-35	20-25	NP-5
	14-60	Sandy Loam Fine Sandy Loam Loam	CL-ML ML	A-4	0	0	100	85-95	70-80	50-60	20-30	NP-10
Haybourne	0-11	Loam	ML	A-4	0	0	95-100	85-95	80-90	50-60	20-30	NP-5
	11-32	Sandy Loam Gravelly Sandy Loam Fine Sandy Loam	SM	A-2	0	0	75-100	70-100	50-60	25-35	20-25	NP-5
	32-60	Stratified Gravelly Coarse Sand To Fine Sandy Loam	SM	A-1 A-2	0	0	90-100	75-100	45-55	15-30	---	NP
571:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
571: Reno	0-5	Gravelly Sandy Loam	GM	A-1	0	5-10	60-75	50-75	35-50	20-30	15-25	NP-5
	5-27	Clay	SM	A-2								
		Sandy Clay	CH	A-7	0	0-5	80-100	70-95	60-85	45-75	45-65	25-35
		Gravelly Clay	CL									
	27-41	Indurated	SC									
	41-60	Extremely Gravelly Loamy Sand	---	---	---	---	---	---	---	---	---	---
		Very Gravelly Loamy Sand	GM	A-1	0	5-10	30-55	20-50	15-30	5-15	---	NP
			GP-GM									
			GW-GM									
572: Reno	0-5	Cobbly Sandy Loam	SM	A-1	0	15-30	75-95	65-90	45-65	20-30	15-25	NP-5
				A-2								
	5-27	Clay	CH	A-7	0	0-5	80-100	70-95	60-85	45-75	45-65	25-35
		Sandy Clay	CL									
		Gravelly Clay	SC									
	27-41	Indurated	---	---	---	---	---	---	---	---	---	---
	41-60	Very Gravelly Loamy Sand	GM	A-1	0	5-10	30-55	20-50	15-30	5-15	---	NP
		Extremely Gravelly Loamy Sand	GP-GM									
			GW-GM									
581: Risue	0-1	Extremely Stony Loam	GC	A-2	20-30	0-10	25-40	20-35	15-35	10-30	25-30	5-10
			GC-GM									
	1-16	Clay	CH	A-7	0	0-5	75-100	70-100	60-90	50-70	45-60	20-35
		Clay Loam	CL									
		Gravelly Sandy Clay										
	16-60	Indurated	---	---	---	---	---	---	---	---	---	---
582:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
582: Risue	0-1	Gravelly Loam	GC-GM SC SC-SM	A-4	0-2	5-15	65-80	60-75	45-60	35-50	25-30	5-10
	1-16	Gravelly Sandy Clay Clay Loam Clay	CH CL	A-7	0	0-5	75-100	70-100	60-90	50-70	45-60	20-35
	16-60	Indurated	---	---	---	---	---	---	---	---	---	---
591: Rose Creek	0-18	Loam	ML	A-4	0	0	95-100	90-100	80-90	60-70	25-30	NP-5
	18-60	Stratified Gravelly Sand To Silt Loam	SM	A-2 A-4	0	0	85-100	70-95	50-70	30-50	20-25	NP-5
Fallon	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5
601: Rusty	0-9	Sand	SM	A-2	0	0	100	90-100	55-70	15-30	---	NP
	9-22	Sandy Clay Loam Loam	SC	A-6	0	0	100	90-100	80-90	35-50	30-40	10-15
	22-60	Stratified Sand To Silt	ML SM	A-4	0	0	100	100	70-85	40-60	---	NP
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Silty Clay Loam Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
603: Rusty	In											
	0-9	Sand	SM	A-2	0	0	100	90-100	55-70	15-30	---	NP
	9-22	Loam	SC	A-6	0	0	100	90-100	80-90	35-50	30-40	10-15
	22-60	Sandy Clay Loam Stratified Sand To Silt	ML SM	A-4	0	0	100	100	70-85	40-60	---	NP
Isolde	0-7	Fine Sand	SP SP-SM SW-SM	A-3	0	0	100	100	75-90	0-10	---	NP
	7-60	Fine Sand Sand	SP SP-SM SW-SM	A-3	0	0	100	100	50-80	0-10	---	NP
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Clay Silty Clay Loam Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
604: Rusty	0-9	Sand	SM	A-2	0	0	100	90-100	55-70	15-30	---	NP
	9-22	Sandy Clay Loam Loam	SC	A-6	0	0	100	90-100	80-90	35-50	30-40	10-15
	22-60	Stratified Sand To Silt	ML SM	A-4	0	0	100	100	70-85	40-60	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
604: Playas	In											
	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Loam Clay Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
611: Sagouspe	0-8	Sandy Loam	ML SM	A-4	0	0	100	100	70-85	40-55	---	NP
	8-60	Stratified Coarse Sand To Silt Loam	SM	A-2 A-4	0	0	100	100	50-75	15-40	---	NP
612: Sagouspe	0-8	Sandy Loam	SM	A-2 A-4	0	0	100	100	60-75	30-45	15-25	NP-5
	8-60	Stratified Sand To Loamy Fine Sand	SM	A-2	0	0	100	100	50-75	15-25	---	NP
Obanion	0-11	Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	85-100	55-70	25-40	20-30	NP-10
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6 A-7	0	0	95-100	90-100	70-85	35-50	30-45	10-20
613: Sagouspe	0-8	Loam	ML	A-4	0	0	95-100	85-100	65-80	50-65	25-35	NP-10
	8-60	Sand Loamy Sand	SM SP-SM	A-1 A-2 A-3	0	0	90-100	80-95	35-55	5-25	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
613: Dithod	In											
	0-11	Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	60-75	35-45	15-20
	11-20	Silt Loam	CL-ML	A-4	0	0	100	100	90-100	50-65	25-35	5-10
	20-60	Stratified Loamy Fine Sand To Clay Loam	CL-ML ML SC-SM SM	A-4	0	0	90-100	85-100	75-90	45-55	25-35	5-10
Kimmerling	0-26	Loam	CL	A-6	0	0	100	90-100	80-90	60-70	30-35	10-15
	26-38	Stratified Fine Sandy Loam To Clay Loam	CL	A-6	0	0	100	90-100	80-90	65-80	30-40	10-20
	38-60	Cobbly Sandy Loam	SM	A-1	0-5	15-20	70-85	65-80	35-50	15-25	---	NP
621: Saralegui	0-5	Sand	SM SP-SM	A-1 A-2 A-3	0	0	95-100	85-95	45-55	5-15	0-14	NP
	5-39	Sandy Loam Coarse Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	39-60	Gravelly Sandy Loam Loamy Sand Sand	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
Obanion	0-11	Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	85-100	55-70	25-40	20-30	NP-10
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6 A-7	0	0	95-100	90-100	70-85	35-50	30-45	10-20
623:												

Distribution Generation Date:

Page 50 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
623: Saralegui	In											
	0-5	Loamy Sand	SM SP-SM	A-1 A-2 A-3	0	0	95-100	85-95	45-55	5-15	0-14	NP
	5-39	Sandy Loam Coarse Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	39-60	Loamy Sand Sand Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
625: Saralegui	0-5	Sandy Loam	SM	A-2	0	0	95-100	85-95	55-65	25-35	0-14	NP
	5-32	Sandy Loam Coarse Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	32-60	Gravelly Sandy Loam Loamy Sand Sand	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
626: Saralegui	0-5	Loamy Sand	SM SP-SM	A-1 A-2 A-3	0	0	95-100	85-95	45-55	5-15	0-14	NP
	5-32	Sandy Loam Coarse Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	32-60	Gravelly Sandy Loam Loamy Sand Sand	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
626: Saralegui	In											
	0-5	Loamy Sand	SM SP-SM	A-1 A-2 A-3	0	0	95-100	85-95	45-55	5-15	0-14	NP
	5-32	Sandy Loam Coarse Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	32-60	Gravelly Sandy Loam Loamy Sand Sand	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
627: Saralegui Variant	0-4	Loamy Sand	SM	A-2	0	0	100	85-100	50-65	15-30	---	NP
	4-20	Sandy Loam	SM	A-2 A-4	0	0	100	85-100	50-65	25-40	20-25	NP-5
	20-60	Stratified Sand To Silty Clay Loam	CL-ML ML SC-SM SM	A-4	0	0	100	100	90-100	40-60	20-30	NP-10
Obanion	0-11	Sandy Loam	SC-SM SM	A-2 A-4	0	0	95-100	85-100	55-70	25-40	20-30	NP-10
	11-60	Stratified Sandy Loam To Sandy Clay Loam	SC	A-6 A-7	0	0	95-100	90-100	70-85	35-50	30-45	10-20
631: Singatse	0-6	Very Gravelly Sandy Loam	SM	A-1	0	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	6-12	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	12-16	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
632:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
632: Singatse	In											
	0-6	Very Gravelly Sandy Loam	SM	A-1	0	0-10	70-80	45-55	30-40	15-25	15-25	NP-5
	6-12	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	12-16	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
633: Singatse	0-6	Very Gravelly Loam	SM	A-2	0	0-10	70-80	45-55	35-45	25-35	15-25	NP-5
	6-12	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	12-16	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Theon	0-2	Very Gravelly Loam	GC-GM	A-1	0-1	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very Gravelly Sandy Clay Loam	GM	A-2								
		Very Gravelly Clay Loam	GC	A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
		Very Gravelly Loam										
	11-15	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
641: Tocan	0-6	Sandy Loam	SM	A-2	0	0	90-100	85-100	55-70	25-40	15-25	NP-5
	6-15	Gravelly Loam		A-4								
		Gravelly Sandy Clay Loam	SC	A-6	0	0	75-100	70-100	55-70	35-50	30-40	10-15
		Sandy Clay Loam										
	15-60	Stratified Very Gravelly Sand To Loam	SM SW-SM	A-1	0	0	65-80	55-70	30-45	5-20	---	NP
642:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
642: Tocan	In											
	0-6	Sandy Loam	SM	A-2 A-4	0	0	90-100	85-100	55-70	25-40	15-25	NP-5
	6-15	Gravelly Loam Gravelly Sandy Clay Loam Sandy Clay Loam	SC	A-6	0	0	75-100	70-100	55-70	35-50	30-40	10-15
	15-60	Stratified Very Gravelly Sand To Loam	SM SW-SM	A-1	0	0	65-80	55-70	30-45	5-20	---	NP
643: Tocan	0-6	Gravelly Sandy Loam	SM	A-1 A-2	0	0	75-90	50-75	40-55	20-35	15-25	NP-5
	6-15	Sandy Clay Loam Gravelly Loam Gravelly Sandy Clay Loam	SC	A-6	0	0	75-100	70-100	55-70	35-50	30-40	10-15
	15-60	Stratified Very Gravelly Sand To Loam	SM SW-SM	A-1	0	0	65-80	55-70	30-45	5-20	---	NP
644: Tocan	0-8	Sandy Loam	SM	A-2 A-4	0	0	90-100	85-100	55-70	25-40	15-25	NP-5
	8-17	Gravelly Loam Gravelly Sandy Clay Loam Sandy Clay Loam	SC	A-6	0	0	75-100	70-100	55-70	35-50	30-40	10-15
	17-60	Stratified Very Gravelly Sand To Loam	SM SW-SM	A-1	0	0	65-80	55-70	30-45	5-20	---	NP
Yerington	0-8	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	15-30	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP

651:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
651: Theon	In											
	0-3	Very Gravelly Sandy Loam	GC-GM	A-1	0-1	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	3-12	Very Gravelly Sandy Clay Loam	GM	A-2								
		Very Gravelly Clay Loam	GC	A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
		Very Gravelly Loam										
	12-16	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
652: Theon	0-2	Very Gravelly Loam	GC-GM	A-1	0-1	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very Gravelly Clay Loam	GM	A-2								
		Very Gravelly Sandy Clay Loam	GC	A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
		Very Gravelly Loam										
	11-15	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Theon	0-2	Very Stony Loam	GC-GM	A-2	5-25	10-30	55-80	45-75	35-50	20-45	20-30	5-10
			SC	A-4								
	2-11	Very Gravelly Clay Loam	SC-SM									
		Very Gravelly Sandy Clay Loam	GC	A-2	0-2	5-25	40-60	25-50	15-40	10-30	30-40	10-20
		Very Gravelly Loam										
	11-15	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Olac	0-4	Very Stony Loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-12	Extremely Gravelly Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
		Extremely Gravelly Clay Loam										
	12-16	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

653:

Distribution Generation Date:

Page 55 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
653: Theon	In											
	0-2	Very Gravelly Loam	GC-GM	A-1	0-1	5-10	40-60	30-50	20-45	15-35	20-30	NP-10
	2-11	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GM GC	A-2 A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
	11-15	Very Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Lapon	0-6	Extremely Stony Loam	GC	A-2	25-45	15-30	50-60	35-50	30-40	20-35	25-35	5-10
	6-14	Very Gravelly Clay Loam	GC-GM	A-2	0-5	10-25	40-60	35-55	25-50	20-35	35-40	15-20
	14-40	Indurated	GM GC	A-2	---	---	---	---	---	---	---	---
	40-44	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Olac	0-4	Very Stony Loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-12	Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	12-16	Extremely Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
654: Theon	0-2	Very Stony Loam	GC-GM	A-2	5-25	10-30	55-80	45-75	35-50	20-45	20-30	5-10
	2-11	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	SC SC-SM GC	A-4 A-2	0-2	5-25	40-60	25-50	15-40	10-30	30-40	10-20
	11-15	Very Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
654: Old Camp	In											
	0-4	Very Stony Loam	GC-GM	A-2	5-25	20-30	60-70	55-65	45-55	30-40	15-25	NP-10
	4-14	Very Cobbly Clay Loam Extremely Stony Sandy Clay Loam	GM GC	A-4 A-2 A-6	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
	14-18	Very Stony Clay Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
655: Theon	0-10	Gravelly Loamy Fine Sand	GM	A-1	0	0-5	55-80	50-75	45-70	10-20	0-14	NP
	10-14	Very Gravelly Sandy Clay Loam	SM GC	A-2 A-2	0-2	5-15	40-60	30-50	25-40	15-30	30-40	10-20
		Very Gravelly Loam Very Gravelly Clay Loam										
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Yerington	0-8	Gravelly Loamy Fine Sand	SM	A-1 A-2	0	0-5	70-85	60-75	35-60	20-35	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
657: Theon	0-3	Very Stony Fine Sandy	GC-GM SC SC-SM	A-2 A-4	5-25	10-30	55-80	45-75	35-50	20-45	20-30	5-10
	3-11	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GC	A-2	0-2	5-25	40-60	25-50	15-40	10-30	30-40	10-20
		Very Gravelly Loam										
	11-15	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
657: Theon	In											
	0-3	Very Stony Loam	GC-GM SC SC-SM GC	A-2 A-4 A-2	5-25	10-30	55-80	45-75	35-50	20-45	20-30	5-10
	3-11	Very Gravelly Sandy Clay Loam										
	11-15	Very Gravelly Loam Very Gravelly Clay Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
661: Isolde	0-7	Fine Sand	SP SP-SM SW-SM	A-3	0	0	100	100	75-90	0-10	---	NP
	7-60	Fine Sand Sand	SP SP-SM SW-SM	A-3	0	0	100	100	50-80	0-10	---	NP
662: Isolde	0-7	Fine Sand	SP SP-SM SW-SM	A-3	0	0	100	100	75-90	0-10	---	NP
	7-60	Fine Sand Sand	SP SP-SM SW-SM	A-3	0	0	100	100	50-80	0-10	---	NP
Patna	0-5	Fine Sand	SM	A-2	0	0	95-100	95-100	70-80	20-35	---	NP
	5-15	Fine Sandy Loam Coarse Sandy Loam Sandy Loam	SC SC-SM	A-4	0	0	95-100	95-100	65-80	35-50	25-30	5-10
	15-60	Sand Loamy Sand	SM SW-SM	A-2 A-3	0	0	95-100	95-100	50-60	5-20	---	NP
663:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
663: Isolde	In											
	0-6	Fine Sand	SP SP-SM SW-SM	A-3	0	0	100	100	75-90	0-10	---	NP
	6-60	Fine Sand Sand	SP SP-SM SW-SM	A-3	0	0	100	100	50-80	0-10	---	NP
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Loam Clay Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
671: Toulon	0-5	Gravelly Loam	GM SM	A-4	0	0-10	60-80	50-75	45-65	35-50	20-25	NP-5
	5-13	Very Gravelly Coarse Sandy Loam Very Gravelly Sandy Loam Very Gravelly Loam	GM	A-1 A-2	0	0-5	40-60	25-40	15-35	10-30	---	NP
	13-60	Stratified Gravelly Extremely Cobbly Coarse Sand	GP GP-GM	A-1	0-5	25-50	40-50	25-40	5-20	0-10	---	NP
681: Yerington Variant	0-4	Loam	CL CL-ML	A-4 A-6	0	0	100	100	80-95	60-80	20-35	5-15
	4-60	Stratified Loam To Clay Loam	CL	A-6	0	0	100	100	80-95	60-80	25-40	10-20
691:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
691: Ultra	0-2	Gravelly Fine Sandy Loam	GM SM	A-1 A-2 A-4	0	0-5	60-85	50-75	40-65	20-50	---	NP
	2-11	Clay Silty Clay	CL MH	A-7	0	0-5	90-100	85-100	80-90	60-75	40-55	15-25
	11-60	Silty Clay Loam Stratified Silty Clay Loam To Clay	ML CL MH ML	A-7	0	0	100	100	80-90	60-75	40-55	15-25
701: Veta	0-6	Very Gravelly Sandy Loam	GM	A-1	0-5	0-25	40-55	35-50	20-35	10-20	---	NP
	6-20	Extremely Gravelly Sandy Loam	GM GW-GM	A-1 A-2	0-5	10-30	40-55	30-50	20-40	10-30	---	NP
	20-60	Extremely Gravelly Loam Very Gravelly Sandy Loam Very Gravelly Loam Stratified Extremely Gravelly Loamy Sand To Very Gravelly Loam	GM GW-GM	A-1	0-5	10-25	30-55	20-50	15-35	5-20	---	NP
702: Veta	0-6	Very Gravelly Sandy Loam	GM GW-GM	A-1	0-5	0-25	40-55	35-50	20-35	10-20	---	NP
	6-18	Extremely Gravelly Loam Very Gravelly Sandy Loam Very Gravelly Loam	GM	A-1 A-2	0-10	10-30	40-55	30-50	20-40	15-30	---	NP
	18-60	Stratified Extremely Gravelly Loamy Sand To Very Gravelly Loam	GM GW-GM	A-1	0-10	10-25	30-55	20-50	15-35	5-20	---	NP
704:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
704: Veta	In											
	0-6	Very Cobbly Sandy Loam	GM	A-1	1-5	25-45	40-50	35-45	20-35	10-20	---	NP
	6-18	Extremely Gravelly Loam	GM	A-1	0-5	10-30	40-55	30-50	20-40	10-30	---	NP
		Very Gravelly Sandy Loam		A-2								
		Very Gravelly Loam										
	18-60	Stratified Extremely Gravelly Loamy Sand To Very Gravelly Loam	GM GW-GM	A-1	0-5	10-25	30-55	20-50	15-35	5-20	---	NP
705: Veta	0-3	Very Gravelly Sandy Loam	GM	A-1	0-5	0-25	40-55	35-50	20-35	10-20	---	NP
	3-18	Extremely Gravelly Loam	GM	A-1	0-5	10-30	40-55	30-50	20-40	15-30	---	NP
		Very Gravelly Sandy Loam		A-2								
		Very Gravelly Loam										
	18-60	Stratified Extremely Gravelly Loamy Sand To Very Gravelly Loam	GM GW-GM	A-1	0-5	10-25	30-55	20-50	15-35	5-20	---	NP
711: Vylach	0-5	Gravelly Sandy Loam	SM	A-1 A-2	0	0-1	75-90	65-75	40-55	20-35	---	NP
	5-12	Sandy Clay Loam	CL	A-6	0	0	90-100	80-95	70-85	35-60	35-50	15-25
	12-27	Clay Loam	SC	A-7								
	12-27	Cemented	---	---	---	---	---	---	---	---	---	---
	27-60	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Weena	0-7	Loam	CL CL-ML	A-4 A-6	0	0-5	85-100	80-100	70-90	55-75	20-35	5-15
	7-17	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
721:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
721: Wabuska	In											
	0-9	Loamy Sand	SM	A-2	0	0	100	95-100	55-70	15-30	---	NP
	9-60	Stratified Sand To Silt	CL-ML ML SC-SM SM	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10
Fallon	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5
722: Wabuska	0-9	Loam	CL	A-4	0	0	100	100	85-100	65-85	25-30	5-10
	9-60	Stratified Sand To Silt	CL-ML CL-ML ML SC-SM SM	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10
Fallon	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5
723: Wabuska	0-9	Loam	CL	A-4	0	0	100	100	85-100	65-85	25-30	5-10
	9-60	Stratified Sand To Silt	CL-ML CL-ML ML SC-SM SM	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
723: Fallon	In											
	0-10	Fine Sandy Loam	SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-5
	10-60	Stratified Sand To Silt	ML SM	A-4	0	0	95-100	85-100	70-90	40-60	15-25	NP-5
724: Wabuska	0-9	Loam	CL	A-4	0	0	100	100	85-100	65-85	25-30	5-10
	9-60	Stratified Sand To Silt	CL-ML CL-ML ML SC-SM SM	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10
725: Wabuska	0-9	Loam	CL	A-4	0	0	100	100	85-100	65-85	25-30	5-10
	9-60	Stratified Sand To Silt	CL-ML CL-ML ML SC-SM SM	A-4	0	0	100	90-100	60-75	40-60	20-30	NP-10
Delp	0-60	Sand	SM	A-2	0	0	100	100	50-75	10-25	---	NP
Playas	0-6	Silty Clay Loam	CH CL MH	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Silty Clay Loam Clay	ML CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
731:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
731: Hunewill	In											
	0-3	Sandy Loam	SM	A-2	0	0-10	80-100	75-95	50-60	25-35	15-25	NP-5
	3-13	Very Gravelly Sandy Clay Loam	GC	A-2	0	0-15	45-55	40-50	30-45	20-40	35-40	10-15
		Very Gravelly Loam	GM	A-6								
		Very Gravelly Clay Loam										
	13-18	Very Gravelly Sandy Loam	GM	A-1	0	0-25	45-55	40-50	25-45	15-35	15-25	NP-5
		Very Gravelly Loam		A-2								
732: Hunewill	18-60	Extremely Cobbly Loamy Sand	GP-GM	A-1	0-5	15-50	35-45	30-40	10-25	0-10	---	NP
		Extremely Cobbly Sand	GW									
		Extremely Gravelly Sand	GW-GM									
	0-3	Stony Loam	CL	A-4	1-5	10-25	85-100	60-95	55-90	50-75	20-30	5-10
			CL-ML									
	3-13	Very Gravelly Loam	GC	A-2	0	0-15	45-55	40-50	30-45	20-40	35-40	10-15
		Very Gravelly Clay Loam	GM	A-6								
733:		Very Gravelly Sandy Clay Loam										
	13-18	Very Gravelly Loam	GM	A-1	0	0-25	45-55	40-50	25-45	15-35	15-25	NP-5
		Very Gravelly Sandy Loam		A-2								
	18-60	Extremely Cobbly Sand	GP-GM	A-1	0-5	15-50	35-45	30-40	10-25	0-10	---	NP
		Extremely Cobbly Loamy Sand	GW									
		Extremely Gravelly Sand	GW-GM									

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
733: Hunewill	In											
	0-3	Stony Loam	CL CL-ML	A-4	1-5	10-25	85-100	60-95	55-90	50-75	20-30	5-10
	3-13	Very Gravelly Loam Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GC GM	A-2 A-6	0	0-15	45-55	40-50	30-45	20-40	35-40	10-15
	13-18	Very Gravelly Sandy Loam Very Gravelly Loam	GM	A-1 A-2	0	0-25	45-55	40-50	25-45	15-35	15-25	NP-5
	18-60	Extremely Gravelly Sand Extremely Cobbly Sand Extremely Cobbly Loamy Sand	GP-GM GW GW-GM	A-1	0-5	15-50	35-45	30-40	10-25	0-10	---	NP
734: Hunewill	0-3	Very Gravelly Sandy Loam	GM	A-1	0	0-10	35-55	30-50	20-35	10-20	---	NP
	3-13	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GC GM	A-2 A-6	0	0-15	45-55	40-50	30-45	20-40	35-40	10-15
	13-18	Very Gravelly Loam Very Gravelly Loam Very Gravelly Sandy Loam	GM	A-1 A-2	0	0-25	45-55	40-50	25-45	15-35	15-25	NP-5
	18-60	Extremely Gravelly Sand Extremely Cobbly Loamy Sand Extremely Cobbly Sand	GP-GM GW GW-GM	A-1	0-5	15-50	35-45	30-40	10-25	0-10	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
734: Stucky	In											
	0-6	Extremely Cobbly Sandy Loam	GM	A-1 A-2	0-5	35-45	40-50	30-40	25-35	15-30	15-25	NP-5
	6-20	Extremely Cobbly Sandy Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
	20-60	Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15
735: Hunewill	0-3	Very Gravelly Sandy Loam	GM	A-1	0	0-10	35-55	30-50	20-35	10-20	---	NP
	3-13	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GC GM	A-2 A-6	0	0-15	45-55	40-50	30-45	20-40	35-40	10-15
	13-18	Very Gravelly Loam Very Gravelly Loam	GM	A-1 A-2	0	0-25	45-55	40-50	25-45	15-35	15-25	NP-5
	18-60	Very Gravelly Sandy Loam Extremely Cobbly Sand Extremely Gravelly Sand Extremely Cobbly Loamy Sand	GP-GM GW GW-GM	A-1	0-5	15-50	35-45	30-40	10-25	0-10	---	NP
	0-6	Extremely Cobbly Sandy Loam	GM	A-1 A-2	0-5	35-45	40-50	30-40	25-35	15-30	15-25	NP-5
	6-20	Extremely Cobbly Sandy Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
Stucky	20-60	Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15

741:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
741: Wedertz	In											
	0-9	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-100	85-95	40-65	15-35	15-25	NP-5
	9-28	Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0	90-100	90-100	70-90	30-55	30-40	10-20
	28-60	Sandy Loam Loam	CL-ML SC SC-SM	A-2 A-4	0	0-5	90-100	90-100	55-75	25-55	25-30	5-10
Wellington	0-4	Coarse Sandy Loam	SM	A-1 A-2	0	0	85-95	80-90	45-55	20-35	---	NP
	4-15	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	90-100	85-100	70-80	40-50	30-40	15-25
	15-26	Indurated	---	---	---	---	---	---	---	---	---	---
	26-60	Very Fine Sandy Loam	ML SM	A-4	0	0	100	95-100	80-90	40-55	20-30	NP-5
Saralegui	0-5	Sandy Loam	SM	A-2	0	0	95-100	85-95	55-65	25-35	0-14	NP
	5-32	Sandy Loam Coarse Sandy Loam Gravelly Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	32-60	Sand Gravelly Sandy Loam Loamy Sand	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
742: Wedertz	0-9	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-100	85-95	40-65	15-35	15-25	NP-5
	9-28	Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0	90-100	90-100	70-90	30-55	30-40	10-20
	28-60	Sandy Loam Loam	CL-ML SC SC-SM	A-2 A-4	0	0-5	90-100	90-100	55-75	25-55	25-30	5-10

Distribution Generation Date:

Page 67 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
742: Wellington	In											
	0-4	Coarse Sandy Loam	SM	A-1 A-2	0	0	85-95	80-90	45-55	20-35	---	NP
	4-15	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	90-100	85-100	70-80	40-50	30-40	15-25
	15-26 26-60	Indurated Very Fine Sandy Loam	--- ML SM	--- A-4	--- 0	--- 0	--- 100	--- 95-100	--- 80-90	--- 40-55	--- 20-30	--- NP-5
743: Wedertz	0-9	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-100	85-95	40-65	15-35	15-25	NP-5
	9-28	Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0	90-100	90-100	70-90	30-55	30-40	10-20
	28-60	Sandy Loam Loam	CL-ML SC SC-SM	A-2 A-4	0	0-5	90-100	90-100	55-75	25-55	25-30	5-10
Wellington	0-4	Coarse Sandy Loam	SM	A-1 A-2	0	0	85-95	80-90	45-55	20-35	---	NP
	4-15	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	90-100	85-100	70-80	40-50	30-40	15-25
	15-26 26-60	Indurated Very Fine Sandy Loam	--- ML SM	--- A-4	--- 0	--- 0	--- 100	--- 95-100	--- 80-90	--- 40-55	--- 20-30	--- NP-5
744: Wedertz	0-9	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-100	85-95	40-65	15-35	15-25	NP-5
	9-28	Clay Loam Sandy Clay Loam	CL SC	A-2 A-6	0	0	90-100	90-100	70-90	30-55	30-40	10-20
	28-60	Sandy Loam Loam	CL-ML SC SC-SM	A-2 A-4	0	0-5	90-100	90-100	55-75	25-55	25-30	5-10

Distribution Generation Date:

Page 68 of 106

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
744:	In											
Saralegui	0-4	Sandy Loam	SM	A-2	0	0	95-100	85-95	55-65	25-35	0-14	NP
	4-36	Sandy Loam Gravelly Sandy Loam Coarse Sandy Loam	SC SC-SM	A-2	0	0-5	90-100	65-90	50-60	20-30	25-30	5-10
	36-61	Sand Gravelly Sandy Loam Loamy Sand	SM	A-1 A-2	0	0-5	95-100	65-95	45-55	10-20	0-14	NP
Wellington	0-4	Coarse Sandy Loam	SM	A-1 A-2	0	0	85-95	80-90	45-55	20-35	---	NP
	4-15	Sandy Clay Loam Sandy Loam	SC	A-6	0	0	90-100	85-100	70-80	40-50	30-40	15-25
	15-26	Indurated	---	---	---	---	---	---	---	---	---	---
	26-60	Very Fine Sandy Loam	ML SM	A-4	0	0	100	95-100	80-90	40-55	20-30	NP-5
746:												
Wellsed	0-6	Gravelly Fine Sand	SM	A-1 A-2	0	0-5	80-95	50-75	40-65	15-30	---	NP
	6-15	Gravelly Sandy Clay Loam	SC	A-2 A-6	0	0-5	80-95	50-75	35-60	25-40	30-40	10-20
	15-35	Loamy Sand Gravelly Loamy Sand	SM	A-1	0	0-5	80-95	50-90	30-50	10-20	---	NP
	35-50	Indurated	---	---	---	---	---	---	---	---	---	---
	50-60	Stratified Loamy Coarse Sand To Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	85-95	60-90	30-55	15-25	---	NP

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
746: Wedlar	In											
	0-6	Loamy Sand	SM	A-1 A-2	0	0-5	90-100	85-100	40-70	15-30	---	NP
	6-14	Loam	CL CL-ML	A-4	0	0-5	90-100	85-100	75-90	50-75	25-30	5-10
	14-37	Sandy Clay Loam Sandy Clay	SC	A-2 A-6 A-7	0	0-5	85-95	75-90	60-75	30-50	35-45	15-20
	37-60	Gravelly Sandy Loam Gravelly Loamy Sand	GC-GM GM SC-SM SM	A-1 A-2 A-4	0	0-10	55-80	50-75	35-60	15-40	15-30	NP-10
751: Malpais	0-3	Gravelly Loamy Sand	SM	A-1	0	0-10	70-85	60-75	35-50	15-25	15-25	NP-5
	3-25	Very Gravelly Loam Very Gravelly Sandy Loam Very Cobbly Sandy Loam	GM	A-1 A-2	0-5	5-35	50-60	35-50	30-45	20-35	20-25	NP-5
	25-60	Extremely Cobbly Loam Very Cobbly Loam Extremely Cobbly Sandy Loam	GM	A-1 A-2	0-5	40-50	40-55	35-50	25-35	20-30	20-25	NP-5

753:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
753: Malpais	In											
	0-10	Cobbly Sandy Loam	SM	A-1 A-2	0	15-20	70-90	65-85	40-55	20-35	15-25	NP-5
	10-25	Very Cobbly Fine Sandy Loam	GM	A-1	5-40	15-50	30-45	25-40	20-30	10-20	20-30	NP-5
	25-60	Very Stony Sandy Loam Very Gravelly Loam Very Cobbly Fine Sandy Loam Extremely Cobbly Sandy Loam Very Stony Loam	GM	A-1 A-2	5-40	15-50	45-55	35-50	25-45	20-30	20-30	NP-5
754: Malpais	0-3	Gravelly Sandy Loam	SM	A-1	0	0-10	70-85	60-75	35-50	15-25	15-25	NP-5
	3-15	Very Gravelly Loam Very Gravelly Sandy Loam Very Cobbly Sandy Loam	GM	A-1 A-2	0-5	5-35	50-60	35-50	30-45	20-35	20-25	NP-5
	15-60	Extremely Cobbly Loam Very Cobbly Loam Extremely Cobbly Sandy Loam	GM	A-1 A-2	0-5	40-50	40-55	35-50	25-35	20-30	20-25	NP-5
Malpais	0-3	Stony Sandy Loam	SM	A-1 A-2	1-5	10-20	70-90	65-85	40-55	20-35	15-25	NP-5
	3-15	Very Gravelly Loam Very Cobbly Fine Sandy Loam	GM	A-1	5-40	15-50	30-45	25-40	20-30	10-20	20-30	NP-5
	15-60	Very Stony Sandy Loam Extremely Cobbly Sandy Loam Very Stony Loam Very Cobbly Fine Sandy Loam	GM	A-1 A-2	5-40	15-50	45-55	35-50	25-45	20-30	20-30	NP-5

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
755: Malpais	In											
	0-3	Gravelly Loamy Sand	SM	A-1	0	0-10	70-85	60-75	35-50	15-25	15-25	NP-5
	3-25	Very Gravelly Loam	GM	A-1	0-5	5-35	50-60	35-50	30-45	20-35	20-25	NP-5
		Very Gravelly Sandy Loam		A-2								
		Very Cobbly Sandy Loam										
	25-60	Extremely Cobbly Loam	GM	A-1	0-5	40-50	40-55	35-50	25-35	20-30	20-25	NP-5
		Very Cobbly Loam		A-2								
		Extremely Cobbly Sandy Loam										
Yerington	0-8	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	15-30	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
761: Yerington	0-8	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	15-30	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
762: Yerington	0-8	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	15-30	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
763: Yerington	0-8	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	15-30	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP

764:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
764: Yerington	In											
	0-8	Loamy Fine Sand	SM	A-2	0	0	100	95-100	70-85	15-30	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
765: Yerington	0-8	Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	70-85	60-75	35-60	20-35	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
766: Yerington	0-8	Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	70-85	60-75	35-60	20-35	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
767: Yerington	0-8	Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	70-85	60-75	35-60	20-35	---	NP
	8-60	Stratified Loamy Coarse Sand To Very Fine Sandy Loam	SM	A-2	0	0-5	80-100	75-100	50-75	15-25	---	NP
771:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
771: Biddleman	In											
	0-3	Gravelly Sandy Loam	SM	A-1	0	5-10	70-80	60-70	40-55	20-35	20-25	NP-5
	3-9	Gravelly Clay Loam	GC	A-2	0	0-5	60-75	55-65	40-55	30-45	30-35	10-15
		Gravelly Loam	SC	A-6								
	9-60	Gravelly Sandy Clay Loam Stratified Coarse Sand To Extremely Gravelly Loamy Fine Sand	GP GP-GM	A-1	0	5-15	10-30	10-20	5-10	0-10	---	NP
Biddleman	0-3	Very Stony Sandy Loam	SM	A-1	5-25	5-15	70-80	60-70	40-55	20-35	---	NP
	3-9	Gravelly Clay Loam	GC	A-2	0	0-5	60-75	55-65	40-55	30-45	30-35	10-15
		Gravelly Loam	SC	A-6								
	9-60	Gravelly Sandy Clay Loam Stratified Coarse Sand To Extremely Gravelly Loamy Fine Sand	GP GP-GM	A-1	0	5-15	10-30	10-20	5-10	0-10	---	NP
781: Celeton	0-2	Very Cobbly Sandy Loam	GM	A-1	0	35-45	45-70	40-70	30-50	15-35	40-50	NP-5
			SM	A-2								
	2-9	Sandy Loam	MH	A-5	0	0-5	75-95	65-95	50-85	35-65	40-60	NP-5
		Gravelly Loam	ML									
		Loam	SM									
	9-60	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
782: Weena	0-7	Silt Loam	CL	A-4	0	0-5	85-100	80-100	70-90	55-75	20-35	5-15
			CL-ML	A-6								
	7-17	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
782: Malpais	In											
	0-10	Cobbly Sandy Loam	SM	A-1	0	15-20	70-90	65-85	40-55	20-35	15-25	NP-5
	10-25	Very Gravelly Loam Very Cobbly Fine Sandy Loam	GM	A-1	5-40	15-50	30-45	25-40	20-30	10-20	20-30	NP-5
	25-60	Very Stony Sandy Loam Extremely Cobbly Sandy Loam Very Stony Loam Very Cobbly Fine Sandy Loam	GM	A-1 A-2	5-40	15-50	45-55	35-50	25-45	20-30	20-30	NP-5
791: Flex	0-4	Gravelly Loam	SM	A-2	0	0-10	65-80	55-75	40-60	30-50	20-25	NP-5
	4-12	Very Gravelly Sandy Loam Very Gravelly Sandy Clay Loam	GC GC-GM	A-4 A-1 A-2	0	0-5	50-60	40-50	30-45	15-25	15-25	5-15
	12-16	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Duco	0-4	Extremely Stony Loam	GC GC-GM SC-SM	A-2 A-4	25-50	10-40	55-80	50-75	35-60	25-50	20-30	5-10
	4-19	Very Gravelly Clay Loam Extremely Stony Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	5-30	10-55	35-60	30-55	20-35	15-30	35-40	15-20
	19-23	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
792:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
792: Osobb	In											
	0-4	Extremely Stony Very Fine Sandy Loam	GC-GM GM GP-GM	A-1 A-2	25-45	25-45	35-55	30-50	20-40	5-25	20-30	NP-10
	4-11	Extremely Cobbly Loam Very Cobbly Fine Sandy Loam Very Cobbly Loam	GC-GM GM GP-GM	A-1 A-2	5-15	30-50	25-60	20-50	15-35	5-20	20-30	NP-10
	11-12 12-16	Indurated Unweathered Bedrock	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	---
Pirouette	0-4	Very Stony Very Fine Sandy Loam	GC-GM GM SC-SM	A-4	5-25	25-30	65-80	65-75	55-70	35-50	20-30	NP-10
	4-11	Very Cobbly Clay Loam	SM CL GC SC	A-6 A-7	0-5	30-40	55-75	50-65	40-60	35-55	35-45	15-20
	11-12 12-16	Indurated Unweathered Bedrock	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	---
	---				---	---	---	---	---	---	---	---
Rock Outcrop												
793: Pirouette	0-4	Extremely Stony Fine Sandy Loam	SC-SM SM	A-2	25-45	20-40	65-80	65-75	55-70	25-35	20-30	NP-10
	4-14	Very Cobbly Clay Loam	CL GC SC	A-6 A-7	5-10	30-40	55-75	50-65	40-60	35-55	35-45	15-20
	14-23 23-27	Indurated Unweathered Bedrock	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	---
802:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
802: Loomer	In											
	0-4	Extremely Cobbly Loam	GC	A-2	0-10	40-55	45-55	35-45	30-40	20-35	25-35	5-15
	4-15	Extremely Gravelly Clay Extremely Cobbly Clay	GC-GM GC	A-2	0	30-55	30-45	20-35	15-30	15-25	40-55	20-35
	15-19	Extremely Cobbly Clay Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Zephan	0-2	Extremely Cobbly Loam	GM	A-1	0-5	40-45	30-60	20-50	15-40	10-30	20-25	NP-5
	2-37	Very Cobbly Clay Very Cobbly Sandy Clay Very Cobbly Clay Loam	CH GC SC	A-2 A-7	0-5	30-40	65-80	60-70	50-70	40-65	50-60	25-35
	37-41	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	41-45	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Olac	0-4	Extremely Stony Loam	GC	A-2	25-40	15-25	40-60	35-55	25-40	20-30	25-30	10-15
	4-14	Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	14-18	Extremely Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
803: Loomer	0-4	Extremely Cobbly Loam	GC	A-2	0-10	40-55	45-55	35-45	30-40	20-35	25-35	5-15
	4-15	Extremely Cobbly Clay Extremely Gravelly Clay Extremely Cobbly Clay	GC-GM GC	A-2	0	30-55	30-45	20-35	15-30	15-25	40-55	20-35
	15-19	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
803: Loomer	In											
	0-4	Extremely Cobbly Loam	GC	A-2	0-10	40-55	45-55	35-45	30-40	20-35	25-35	5-15
	4-15	Extremely Cobbly Clay Extremely Gravelly Clay Extremely Cobbly Clay	GC-GM GC	A-2	0	30-55	30-45	20-35	15-30	15-25	40-55	20-35
	15-19	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
811: Trid	0-4	Sandy Loam	SM	A-1 A-2	0	0-5	90-100	85-100	45-55	20-30	---	NP
	4-23	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam Extremely Gravelly Clay Loam	GC GW-GC SC SW-SC	A-2	0	5-15	50-70	15-40	10-35	5-30	35-40	15-20
	23-48	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-4	Sand	SP-SM	A-1	0	0-5	90-100	85-100	35-50	5-10	---	NP
Trid	4-23	Extremely Gravelly Clay Loam Very Gravelly Sandy Clay Loam Very Gravelly Clay Loam	GC GW-GC SC SP-SC	A-2	0	5-15	50-70	15-40	10-35	5-30	35-40	15-20
	23-48	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-9	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-95	75-85	30-40	20-30	15-25	NP-5
	9-25 25-60	Gravelly Coarse Sandy Very Gravelly Coarse Sandy Loam Extremely Gravelly Coarse Sandy Loam	SM GC-GM GM SC-SM SM	A-1 A-1 A-2	0 0	0-5 5-30	75-85 45-70	55-75 20-45	25-35 10-30	15-25 10-20	15-25 15-30	NP-5 NP-10
Drit												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
812: Trid	0-4	Very Stony Fine Sandy	SC-SM	A-1	5-25	0-10	85-95	35-50	25-40	10-30	15-30	NP-10
	4-23	Very Gravelly Sandy Clay Loam Extremely Gravelly Clay Loam Very Gravelly Clay Loam	SM SC SP-SC	A-2 A-2	0	0-5	60-80	15-40	10-35	5-30	35-40	15-20
	23-27	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Roloc	0-8	Gravelly Sandy Loam	SM	A-1	0	0-5	80-90	55-80	30-40	10-20	---	NP
	8-17	Very Gravelly Coarse Sandy Loam	SC SC-SM	A-2	0	0-5	70-80	35-50	20-35	15-30	20-30	5-10
	17-21	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Drit	0-9	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-95	75-85	30-40	20-30	15-25	NP-5
	9-25	Gravelly Coarse Sandy	SM	A-1	0	0-5	75-85	55-75	25-35	15-25	15-25	NP-5
	25-60	Extremely Gravelly Coarse Sandy Loam Very Gravelly Coarse Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2	0	5-30	45-70	20-45	10-30	10-20	15-30	NP-10
821: Badland	---				---	---	---	---	---	---	---	---
822: Dumps	---				---	---	---	---	---	---	---	---
823: Gypsum Land	---				---	---	---	---	---	---	---	---
824:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
824: Pits	---				---	---	---	---	---	---	---	---
825: Pits	---				---	---	---	---	---	---	---	---
826: Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Loam Clay Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
827: Slickens	---				---	---	---	---	---	---	---	---
831: Ister	0-17	Extremely Stony Sandy	GM SM	A-1 A-2	25-40	0-5	45-70	40-65	30-45	15-35	20-30	NP-5
	17-38	Very Stony Clay Loam Very Stony Sandy Clay	GC SC	A-2 A-6 A-7	5-25	20-30	60-85	55-80	40-60	30-50	35-45	15-20
	38-42	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Hyloc	0-5	Very Cobbly Sandy Loam	SC SC-SM	A-2	1-5	45-55	70-80	50-60	35-45	15-25	25-30	5-10
	5-18	Gravelly Clay Clay	CH	A-7	0	5-15	85-95	80-95	70-90	55-65	50-60	25-35
	18-24	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	24-28	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
831: Lunder	0-7	Very Cobbly Loam	CL	A-4	0-5	35-65	75-90	70-85	70-85	50-65	25-35	5-15
	7-16	Cobbly Clay	CL-ML	A-6								
	16-31	Indurated	CH	A-7	0-5	10-30	75-95	70-90	60-75	55-70	55-70	30-40
	31-60	Extremely Cobbly Sandy Loam	---	---	---	---	---	---	---	---	---	---
			GM	A-1	0-15	30-65	40-55	30-45	20-35	5-20	---	NP
			GW-GM									
841: Bradshaw	0-15	Extremely Stony Loam	GC	A-2	25-40	20-40	40-55	35-50	30-45	20-35	20-30	5-10
	15-43	Extremely Cobbly Loam	GC-GM									
		Extremely Cobbly Fine Sandy Loam	GM	A-1	0-10	55-70	40-50	35-45	20-35	10-30	15-25	NP-5
	43-47	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Hartig	0-14	Very Gravelly Sandy Loam	GM	A-1	0	5-25	40-55	35-50	25-40	15-30	15-25	NP-5
	14-60	Very Gravelly Loam	GM	A-2								
		Very Gravelly Sandy Loam	SM	A-1	0	0-10	35-75	25-50	15-45	10-35	20-25	NP-5
	60-64	Unweathered Bedrock	---	A-2	---	---	---	---	---	---	---	---
851: Tenpin	0-7	Very Gravelly Loam	---	---	---	---	---	---	---	---	---	---
			GC	A-2								
	7-33	Extremely Cobbly Clay	GC-GM	A-1	0-5	0-15	45-60	35-50	30-45	20-35	20-30	NP-10
		Extremely Cobbly Sandy	GM	A-2								
		Extremely Gravelly Clay	GC	A-2	0-5	25-45	30-45	15-25	10-25	10-20	45-55	20-25
	33-60	Extremely Cobbly Loam										
		Extremely Cobbly Sandy Loam	GC	A-2	10-25	5-45	30-45	20-30	10-20	5-15	25-35	5-15
			GC-GM									
			GP-GC									
			GW-GC									

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
851: Shree	In											
	0-10	Very Gravelly Loam	GC GC-GM	A-2	0	0-5	40-60	35-50	30-50	20-35	25-35	5-15
	10-26	Very Gravelly Sandy Clay Loam	GC	A-2	0	5-10	45-55	25-40	20-30	10-25	35-45	15-20
	26-60	Very Gravelly Clay Loam Very Gravelly Fine Sandy Loam Very Gravelly Sandy Loam Extremely Gravelly Loam	GC GC-GM	A-2	0-5	0-30	45-55	25-40	15-25	10-15	20-35	5-15
861: Shree	0-10	Very Gravelly Loam	GC GC-GM	A-2	0	0-5	40-60	35-50	30-50	20-35	25-35	5-15
	10-26	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GC	A-2	0	5-10	45-55	25-40	20-30	10-25	35-45	15-20
	26-60	Very Gravelly Sandy Loam Extremely Gravelly Loam Very Gravelly Fine Sandy Loam	GC GC-GM	A-2	0-5	0-30	45-55	25-40	15-25	10-15	20-35	5-15
871: Nall	0-8	Gravelly Sandy Loam	SM	A-1 A-2	0	0-1	90-100	50-75	40-55	15-30	---	NP
	8-20	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	20-24	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Luppino	0-7	Gravelly Sandy Loam	SM	A-1	0	0-5	75-90	55-65	35-45	15-25	---	NP
	7-12	Sandy Loam Gravelly Sandy Clay Loam Sandy Clay Loam	SC	A-2 A-6	0	0	80-90	65-85	55-75	30-40	30-40	15-25
	12-23	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	23-27	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
871:	In											
Hotsprings	0-4	Loamy Sand	SM	A-1	0	0	95-100	85-95	45-70	15-30	---	NP
	4-60	Gravelly Loamy Sand Gravelly Loamy Coarse	SM	A-2 A-1	0	0-10	80-95	55-70	35-50	10-25	---	NP
Fluvaquentic Endoaquolls	0-12	Very Stony Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2	5-15	0-5	60-90	50-60	35-50	15-30	20-30	NP-10
	12-35	Clay Loam Silty Clay Loam	CL	A-6	0	0	100	100	80-100	75-95	35-40	15-20
	35-60	Stratified Very Gravelly Loamy Sand To Silty Clay Loam	CL CL-ML GC GC-GM	A-4 A-6	0	0-5	60-90	60-85	45-80	35-60	15-25	5-15
881:												
Ravenell Variant	0-7	Gravelly Sandy Loam	SC SC-SM SM	A-2 A-4	0	0-5	80-95	65-75	45-60	30-40	25-35	5-10
	7-15	Gravelly Clay Gravelly Clay Loam	CH CL SC	A-7	0	0-5	75-90	50-75	50-70	45-65	45-55	20-30
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Devils Variant	0-10	Gravelly Loam	CL-ML ML SC-SM SM	A-4	0	0-10	70-95	60-75	50-65	40-55	20-30	NP-10
	10-30	Gravelly Clay Loam Gravelly Sandy Clay Loam	SC	A-2 A-6	0	0	85-100	55-70	40-55	30-45	35-40	15-20
	30-34	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
			In									
881:												
891: Berit	0-2	Very Gravelly Loamy Sand	SM SP-SM SW-SM	A-1	0	0-5	60-75	40-50	20-35	5-15	---	NP
	2-5	Very Gravelly Sandy Clay Loam Extremely Gravelly Sandy Clay Loam	GC	A-2	0	0-10	35-50	25-35	20-35	15-25	35-40	15-20
	5-9	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Shoken	0-5	Very Gravelly Coarse Sandy Loam	GM	A-1	0	0-5	40-60	35-50	20-35	10-20	---	NP
	5-26	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	26-31	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
892: Berit												
892: Berit	0-2	Very Gravelly Loamy Sand	SM SP-SM SW-SM	A-1	0	0-5	60-75	40-50	20-35	5-15	---	NP
	2-5	Very Gravelly Sandy Clay Loam Extremely Gravelly Sandy Clay Loam	GC	A-2	0	0-10	35-50	25-35	20-35	15-25	35-40	15-20
	5-9	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Shoken	0-5	Very Gravelly Coarse Sandy Loam	GM	A-1	0	0-5	40-60	35-50	20-35	10-20	---	NP
	5-26	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	26-31	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
893:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
893: Berit	In											
	0-3	Very Gravelly Loamy Sand	SM SP-SM SW-SM	A-1	0	0-5	60-75	40-50	20-35	5-15	---	NP
	3-7	Extremely Gravelly Sandy Clay Loam Very Gravelly Sandy Clay Loam	GC	A-2	0	0-10	35-50	25-35	20-35	15-25	35-40	15-20
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Saralegui	0-5	Loamy Sand	SM	A-1 A-2	0	0	95-100	85-95	45-65	15-25	0-14	NP
	5-32	Sandy Loam	SM	A-2 A-4	0	0	95-100	95-100	60-70	30-40	20-30	NP-5
	32-60	Loamy Sand Gravelly Sandy Loam Sand	SM	A-1 A-2 A-4	0	0-5	95-100	65-95	45-55	10-20	20-30	NP-5
911: Fulstone Variant	0-5	Extremely Cobbly Loam	GC-GM GM SC-SM	A-4	0-10	50-65	65-80	60-75	55-70	35-50	15-25	NP-10
	5-25	Clay Clay Loam Gravelly Clay	SM CH CL	A-7	0	5-10	80-95	75-90	65-90	50-75	40-55	15-30
	25-29	Cemented	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
911: Devils	0-7	Very Cobbly Loam	GC GC-GM SC-SM	A-4	0-5	30-40	60-75	55-70	50-65	35-50	20-25	5-10
	7-22	Very Gravelly Clay Loam	GC	A-2 A-6 A-7	0-5	15-30	40-65	35-60	30-55	20-45	35-45	15-20
	22-30	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	30-34	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Glean	0-24	Cobbly Loam	GM SM	A-2 A-4	0	15-25	65-80	60-75	40-65	25-45	20-30	NP-5
	24-51	Very Cobbly Sandy Loam Very Cobbly Loam	GM SM	A-1 A-2	0	20-45	45-70	40-65	30-55	15-35	20-30	NP-5
	51-55	Very Gravelly Sandy Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
921: Glean	0-14	Gravelly Loam	GM SM	A-2 A-4	0	0-10	55-80	50-75	40-60	25-40	20-30	NP-5
	14-60	Very Cobbly Sandy Loam Very Cobbly Loam Very Gravelly Sandy Loam	GM SM	A-1 A-2	0	20-45	45-70	40-65	30-55	15-35	20-30	NP-5
Devils	0-7	Very Cobbly Loam	GC GC-GM SC-SM	A-4	0-5	30-40	60-75	55-70	50-65	35-50	20-25	5-10
	7-22	Very Gravelly Clay Loam	GC	A-2 A-6 A-7	0-5	15-30	40-65	35-60	30-55	20-45	35-45	15-20
	22-30 30-34	Weathered Bedrock Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
922:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
922: Glean	0-14	Gravelly Loam	GM	A-2	0	0-10	55-80	50-75	40-60	25-40	20-30	NP-5
	14-60	Very Gravelly Sandy Loam Very Cobbly Loam Very Cobbly Sandy Loam	SM GM SM	A-4 A-1 A-2	0	20-45	45-70	40-65	30-55	15-35	20-30	NP-5
Devils	0-7	Very Cobbly Loam	GC	A-4	0-5	30-40	60-75	55-70	50-65	35-50	20-25	5-10
	7-22	Very Gravelly Clay Loam	GC-GM SC-SM GC	A-2 A-6 A-7	0-5	15-30	40-65	35-60	30-55	20-45	35-45	15-20
	22-30	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	30-34	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
923: Glean	0-14	Very Gravelly Sandy Loam	GM	A-1 A-2	0	0-10	30-55	25-50	20-40	10-30	20-30	NP-5
	14-60	Very Gravelly Sandy Loam Very Cobbly Sandy Loam Very Cobbly Loam	GM SM	A-1 A-2	0	20-45	45-70	40-65	30-55	15-35	20-30	NP-5
Ticino	0-12	Extremely Gravelly Sandy Loam	GM GW-GM	A-1	0	0-5	20-35	15-30	10-25	5-15	15-25	NP-5
	12-28	Gravelly Sandy Clay Loam Gravelly Loam Gravelly Clay Loam	SC	A-6	0	0-15	80-95	60-80	50-70	35-50	25-40	10-20
	28-32	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
923: Hartig	In											
	0-14	Very Gravelly Sandy Loam	GM	A-1	0	5-25	40-55	35-50	25-40	15-30	15-25	NP-5
	14-60	Very Gravelly Loam	GM	A-1	0	0-10	35-75	25-50	15-45	10-35	20-25	NP-5
		Very Gravelly Sandy Loam	SM	A-2								
	60-64	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
932: Shoken	0-5	Very Gravelly Coarse Sandy Loam	GM	A-1	0	0-5	40-60	35-50	20-35	10-20	---	NP
	5-25	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	25-29	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
951: Koontz	0-2	Very Gravelly Sandy Loam	GM	A-1	0	0-15	50-65	35-50	25-35	10-15	15-25	NP-5
	2-17	Very Gravelly Loam	SM									
		Very Gravelly Clay Loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
	17-21	Weathered Bedrock	---	A-6	---	---	---	---	---	---	---	---
Haar	0-6	Gravelly Loam	CL-ML	A-4	0	0-5	60-80	55-75	50-60	40-55	20-30	5-10
			GC									
			GC-GM									
			SC-SM									
	6-10	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Ravenell	0-3	Very Gravelly Loam	GC	A-2	0	15-25	40-60	35-55	30-45	20-35	25-30	5-10
			GC-GM									
	3-7	Very Gravelly Clay	GC	A-2	0	15-25	40-60	35-55	30-50	20-45	40-50	15-20
		Very Gravelly Sandy Clay	GM	A-7								
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
951:	In											
952:												
Koontz, very stony	0-2	Very Stony Loam	GM	A-4	25-40	10-20	50-75	45-70	40-60	35-50	20-30	NP-5
	2-5	Very Gravelly Loam	GM	A-2	0	0-15	50-65	35-50	30-45	25-35	20-30	NP-5
	5-12	Very Gravelly Loam	GC	A-2	0	0-15	50-65	35-50	30-45	25-40	30-40	10-20
		Very Gravelly Clay Loam		A-6								
	12-16	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Tristan, VERY STONY	0-7	Very Cobbly Loam	GC	A-2	5-15	25-35	55-70	50-65	35-55	30-50	20-30	5-10
			GC-GM	A-4								
	7-28	Very Cobbly Clay Loam	CL	A-2	5-15	25-35	40-80	35-70	30-60	25-55	25-40	10-20
		Very Gravelly Clay Loam	GC	A-6								
		Very Stony Clay Loam	SC									
		Very Stony Loam										
	28-49	Extremely Cobbly Loam	GC	A-2	0-10	55-65	40-50	35-45	15-40	10-35	25-35	10-15
		Extremely Cobbly Sandy Clay Loam										
	49-53	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Devada, VERY STONY	0-4	Cobbly Loam	CL	A-4	5-25	10-45	75-100	70-100	50-75	40-60	25-35	5-15
			CL-ML	A-6								
			SC									
			SC-SM									
	4-5	Clay Loam	CL	A-7	0	0-5	90-100	80-90	75-85	60-70	40-45	15-20
	5-13	Gravelly Clay	CH	A-7	0	0-5	65-100	55-100	50-90	35-70	50-65	25-35
		Clay	GC									
	13-17	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
961:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
961: Luppino	In											
	0-7	Gravelly Sandy Loam	SM	A-1	0	0-5	75-90	55-65	35-45	15-25	---	NP
	7-12	Sandy Clay Loam	SC	A-2	0	0	80-90	65-85	55-75	30-40	30-40	15-25
		Sandy Loam		A-6								
		Gravelly Sandy Clay Loam										
	12-21	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	21-25	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
971: Minneha	0-5	Extremely Stony Sandy	SM	A-1	25-40	10-15	70-80	45-55	25-35	15-25	15-25	NP-5
	5-18	Very Gravelly Coarse Sandy Loam	SM	A-1	0-2	5-10	80-90	30-55	20-30	10-15	15-25	NP-5
		Very Gravelly Sandy Loam										
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Drit	0-9	Extremely Stony Sandy	SM	A-1	25-40	10-30	60-75	45-55	25-40	10-25	15-25	NP-5
	9-60	Very Cobbly Coarse Sandy Loam	GC-GM	A-1	0-10	5-50	45-75	35-55	10-30	10-25	15-30	NP-10
		Very Gravelly Coarse Sandy Loam	GM	A-2								
		Very Gravelly Coarse Sandy Loam	SC-SM									
		Extremely Gravelly Coarse Sandy Loam	SM									
Rock Outcrop	---				---	---	---	---	---	---	---	---
972:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
972: Berit	In											
	0-3	Extremely Stony Loam	GC	A-2	25-40	10-30	30-45	20-35	15-30	10-25	25-30	5-10
	3-7	Extremely Gravelly Clay Loam	GC-GM	A-2	0-15	25-45	30-55	20-45	15-40	10-30	35-45	15-20
		Extremely Cobbly Sandy Clay Loam Very Gravelly Clay Loam Extremely Gravelly Sandy Clay Loam										
Minneha	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-5	Extremely Stony Sandy	SM	A-1	25-40	10-15	70-80	45-55	25-35	15-25	15-25	NP-5
	5-18	Very Gravelly Sandy Loam Very Gravelly Coarse Sandy Loam	SM	A-1	0-2	5-10	80-90	30-55	20-30	10-15	15-25	NP-5
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Wile	0-7	Gravelly Sandy Loam	GM SM	A-1 A-2 A-4	0	5-10	60-85	50-75	30-50	20-40	20-30	NP-5
	7-18	Gravelly Clay Gravelly Clay Loam	GC SC	A-7	0	0-5	70-90	50-70	45-55	40-50	40-50	20-30
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
981: Ravenell	0-3	Very Gravelly Loam	GC GC-GM	A-2	0	15-25	40-60	35-55	30-45	20-35	25-30	5-10
	3-7	Very Gravelly Sandy Clay Very Gravelly Clay	GC GM	A-2 A-7	0	15-25	40-60	35-55	30-50	20-45	40-50	15-20
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
982:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
982: Ravenell	In											
	0-3	Very Gravelly Loam	GC GC-GM	A-2	0	15-25	40-60	35-55	30-45	20-35	25-30	5-10
	3-7	Very Gravelly Clay	GC	A-2	0	15-25	40-60	35-55	30-50	20-45	40-50	15-20
		Very Gravelly Sandy Clay	GM	A-7								
	7-11	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Haar	0-6	Gravelly Loam	CL-ML GC GC-GM SC-SM	A-4	0	0-5	60-80	55-75	50-60	40-55	20-30	5-10
	6-10	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
991: Roloc	0-9	Very Gravelly Sandy Loam	SM	A-1	0	5-15	80-90	40-55	25-35	10-20	---	NP
	9-17	Very Gravelly Coarse Sandy Loam	SC SC-SM	A-2	0	0-5	70-80	35-50	20-35	15-30	20-30	5-10
	17-21	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Drit	0-20	Stony Sandy Loam	SM	A-1 A-2	1-5	5-15	80-90	70-80	40-60	20-35	15-25	NP-5
	20-60	Extremely Gravelly Coarse Sandy Loam	GC-GM GM	A-1 A-2	0-10	5-50	45-75	35-55	10-30	10-25	15-30	NP-10
		Very Cobbly Coarse Sandy Loam	SC-SM									
		Very Gravelly Coarse Sandy Loam	SM									
1001:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1001: Rowel	In											
	0-6	Very Cobbly Sandy Loam	GM	A-1	0-5	35-50	35-50	25-40	15-30	10-20	15-25	NP-5
	6-14	Very Cobbly Clay	GC	A-2	0-10	50-65	40-55	30-45	25-45	20-35	45-65	20-30
		Extremely Cobbly Clay	GM									
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
1002: Rowel	0-6	Very Stony Sandy Loam	GM	A-1	5-25	15-30	35-50	25-40	15-30	10-20	15-25	NP-5
	6-14	Extremely Cobbly Clay	GC	A-2	0-10	35-65	40-55	30-45	25-40	20-35	45-65	20-30
		Very Cobbly Clay	GM									
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
1011: Smedley	0-2	Very Gravelly Sandy Loam	GM SM	A-1	0-2	0-15	50-75	35-50	25-45	15-25	---	NP
	2-18	Gravelly Clay Loam	CL	A-7	0-5	5-15	70-85	65-80	60-75	55-70	40-50	15-25
		Gravelly Clay										
		Cobbly Clay Loam										
	18-43	Cemented	---	---	---	---	---	---	---	---	---	---
	43-60	Stratified Extremely Gravelly Sand To Extremely Gravelly Sandy Loam	GM GP-GM GW-GM	A-1	0-5	15-30	30-45	20-35	15-25	5-15	---	NP
1012:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1012: Smedley	In											
	0-2	Stony Sandy Loam	SM	A-1	1-5	5-20	65-80	60-75	35-50	20-30	---	NP
	2-18	Cobbly Clay Loam Gravelly Clay Loam Gravelly Clay	CL	A-2 A-7	0-5	5-15	70-85	65-80	60-75	55-70	40-50	15-25
	18-43 43-60	Cemented Stratified Extremely Gravelly Sand To Extremely Gravelly Sandy Loam	---	---	---	---	---	---	---	---	---	---
			GM GP-GM GW-GM	A-1	0-5	15-30	30-45	20-35	15-25	5-15	---	NP
1013: Smedley												
	0-2	Very Gravelly Sandy Loam	GM SM	A-1	0-2	0-15	50-75	35-50	25-45	15-25	---	NP
	2-18	Gravelly Clay Gravelly Clay Loam Cobbly Clay Loam	CL	A-7	0-5	5-15	70-85	65-80	60-75	55-70	40-50	15-25
	18-43 43-60	Cemented Stratified Extremely Gravelly Sand To Extremely Gravelly Sandy Loam	---	---	---	---	---	---	---	---	---	---
			GM GP-GM GW-GM	A-1	0-5	15-30	30-45	20-35	15-25	5-15	---	NP
Smedley												
	0-2	Stony Sandy Loam	SM	A-1 A-2	1-5	5-20	65-80	60-75	35-50	20-30	---	NP
	2-18	Gravelly Clay Loam Gravelly Clay Cobbly Clay Loam	CL	A-7	0-5	5-15	70-85	65-80	60-75	55-70	40-50	15-25
	18-43 43-60	Cemented Stratified Extremely Gravelly Sand To Extremely Gravelly Sandy Loam	---	---	---	---	---	---	---	---	---	---
			GM GP-GM GW-GM	A-1	0-5	15-30	30-45	20-35	15-25	5-15	---	NP
1014:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1014: Smedley	0-2	Cobbly Sandy Loam	SM	A-1	0-5	25-30	70-80	70-75	45-50	20-30	---	NP
	2-18	Gravelly Clay Gravelly Clay Loam Cobbly Clay Loam	CL	A-2 A-7	0-5	5-15	70-85	65-80	60-75	55-70	40-50	15-25
	18-43 43-60	Cemented Stratified Extremely Gravelly Sand To Extremely Gravelly Sandy Loam	--- GM GP-GM GW-GM	---	---	---	---	---	---	---	---	---
				A-1	0-5	15-30	30-45	20-35	15-25	5-15	---	NP
Smedley	0-2	Very Gravelly Sandy Loam	GM SM	A-1	0-2	0-15	50-75	35-50	25-45	15-25	---	NP
	2-18	Gravelly Clay Loam Gravelly Clay Cobbly Clay Loam	CL	A-7	0-5	5-15	70-85	65-80	60-75	55-70	40-50	15-25
	18-43 43-60	Cemented Stratified Extremely Gravelly Sand To Extremely Gravelly Sandy Loam	--- GM GP-GM GW-GM	---	---	---	---	---	---	---	---	---
				A-1	0-5	15-30	30-45	20-35	15-25	5-15	---	NP
1021: Springmeyer	0-10	Sandy Loam	SM	A-2 A-4	0	0-5	90-100	90-100	60-70	30-40	15-25	NP-5
	10-34	Gravelly Sandy Clay Loam Clay Loam	CL SC	A-2 A-6	0	0-5	80-95	65-95	60-80	30-60	35-45	15-20
	34-60	Sandy Clay Loam Stratified Extremely Gravelly Loamy Sand To Sandy Clay Loam	SC	A-7 A-2	0	0-5	70-85	55-70	30-45	20-30	25-35	10-15

1031:

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1031: Burnborough	In											
	0-10	Very Stony Loam	GC	A-2	10-15	20-30	60-65	45-55	35-45	25-35	20-35	5-15
	10-60	Very Gravelly Clay Loam Very Gravelly Loam	GC-GM GC SC	A-2	0-5	15-25	55-65	35-60	20-35	15-30	25-40	10-20
Glean	0-14	Stony Loam	GM	A-2	1-5	15-25	65-80	60-75	40-65	25-45	20-30	NP-5
	14-60	Very Gravelly Sandy Loam Very Cobbly Sandy Loam Very Cobbly Loam	SM GM SM	A-4 A-1 A-2	5-10	15-35	45-70	40-65	30-55	15-35	20-30	NP-5
1041: Whichman	0-15	Cobbly Loamy Sand	SM	A-1	0-5	15-30	75-90	70-85	35-55	15-30	---	NP
	15-33	Very Stony Sandy Loam Very Cobbly Sandy Loam Extremely Stony Sandy	SM	A-2 A-1	15-60	0-50	60-90	55-85	30-50	10-25	20-25	NP-5
	33-56	Very Cobbly Loamy Sand Very Stony Sandy Loam Extremely Cobbly Loamy Sand	SM SW-SM	A-1	10-60	15-50	60-90	55-85	30-50	5-25	---	NP
	56-60	Very Cobbly Sandy Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Ister	0-17	Very Stony Sandy Loam	GM	A-2	5-20	5-10	60-80	55-75	35-55	25-40	20-30	NP-5
	17-38	Very Stony Sandy Clay Very Stony Clay Loam	SM GC SC	A-4 A-2 A-6 A-7	5-25	20-30	60-85	55-80	40-60	30-50	35-45	15-20
	38-42	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1051: Zyzzi	In											
	0-2	Very Gravelly Sandy Loam	SM	A-1	0	0-5	75-90	35-50	20-35	10-20	---	NP
	2-6	Extremely Gravelly Sandy Clay Loam	SC	A-2	0	0-5	60-75	20-35	15-30	10-20	35-40	15-20
	6-40	Very Gravelly Sandy Clay Loam Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
1072: Hawsley	0-8	Sand	SM	A-2	0	0	100	90-100	75-90	5-20	---	NP
			SW-SM	A-3								
	8-60	Sand	SM	A-2	0	0	100	100	75-90	5-25	---	NP
			SW-SM	A-3								
1073: Hawsley	0-8	Sand	SM	A-2	0	0	100	90-100	75-90	5-20	---	NP
			SW-SM	A-3								
	8-60	Sand	SM	A-2	0	0	100	100	75-90	5-25	---	NP
			SW-SM	A-3								
Gamgee	0-4	Stony Sandy Loam	SM	A-2	1-5	15-20	80-90	65-80	50-65	25-35	---	NP
	4-17	Clay Loam	CL	A-6	0	0-5	80-100	80-100	60-85	45-70	25-30	10-15
		Loam	SC									
	17-60	Loam Sandy Loam	CL-ML ML SC-SM SM	A-4	0	0-5	80-95	75-90	60-75	35-60	15-25	NP-10
1074:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1074: Hawsley	In											
	0-8	Loamy Fine Sand	SM	A-2 A-4	0	0	100	100	75-90	30-40	---	NP
	8-50	Stratified Coarse Sand To Fine Sand	SM SW-SM	A-2 A-3	0	0	85-100	75-100	55-70	5-25	---	NP
	50-60	Silty Clay Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	95-100	75-90	25-35	5-15
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Loam Clay Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
1075: Hawsley	0-8	Loamy Fine Sand	SM	A-2 A-4	0	0	100	100	75-90	30-40	---	NP
	8-50	Stratified Coarse Sand To Fine Sand	SM SW-SM	A-2 A-3	0	0	85-100	75-100	55-70	5-25	---	NP
	50-60	Silty Clay Loam Silt Loam	CL CL-ML	A-4 A-6	0	0	100	100	95-100	75-90	25-35	5-15
Playas	0-6	Silty Clay Loam	CH CL MH ML	A-7	0	0	100	100	100	90-100	40-55	15-25
	6-60	Silty Clay Loam Clay Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
1081:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1081: Stucky	In											
	0-6	Extremely Cobbly Sandy Loam	GM	A-1 A-2	0-5	35-45	40-50	30-40	25-35	15-30	15-25	NP-5
	6-20	Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
	20-60	Extremely Cobbly Sandy Clay Loam Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15
1082: Stucky	0-6	Very Cobbly Loam	GM	A-2 A-4	0-5	25-40	50-70	45-65	35-55	25-45	15-25	NP-5
	6-20	Extremely Cobbly Sandy Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
	20-60	Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15
Stucky	0-6	Very Cobbly Loam	GM	A-2 A-4	0-5	25-40	50-70	45-65	35-55	25-45	15-25	NP-5
	6-20	Extremely Cobbly Sandy Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
	20-60	Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15
1083:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1083: Stucky	0-6	Extremely Cobbly Loam	GM	A-1 A-2	0-5	35-45	40-50	30-40	25-35	15-30	15-25	NP-5
	6-20	Extremely Cobbly Sandy Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	0-5	35-75	45-60	35-50	30-45	15-30	30-40	15-20
	20-60	Stratified Extremely Cobbly Sandy Loam To Very Stony Clay Loam	GC GC-GM	A-2	0-5	35-50	45-60	35-50	25-45	15-35	20-35	5-15
Hunewill	0-3	Stony Loam	CL CL-ML	A-4	1-5	10-25	85-100	60-95	55-90	50-75	20-30	5-10
	3-13	Very Gravelly Clay Loam Very Gravelly Sandy Clay Loam	GC GM	A-2 A-6	0	0-15	45-55	40-50	30-45	20-40	35-40	10-15
	13-18	Very Gravelly Loam Very Gravelly Loam Very Gravelly Sandy Loam	GM	A-1 A-2	0	0-25	45-55	40-50	25-45	15-35	15-25	NP-5
	18-60	Extremely Cobbly Sand Extremely Gravelly Sand Extremely Cobbly Loamy Sand	GP-GM GW GW-GM	A-1	0-5	15-50	35-45	30-40	10-25	0-10	---	NP
Veta	0-6	Very Gravelly Sandy Loam	GM	A-1	0-5	0-25	40-55	35-50	20-35	10-20	---	NP
	6-18	Extremely Gravelly Loam Very Gravelly Loam Very Gravelly Sandy Loam	GM	A-1 A-2	0-5	10-30	40-55	30-50	20-40	10-30	---	NP
	18-60	Stratified Extremely Gravelly Loamy Sand To Very Gravelly Loam	GM GW-GM	A-1	0-5	10-25	30-55	20-50	15-35	5-20	---	NP
1091:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1091: Glean Variant	In											
	0-11	Gravelly Loamy Sand	SM SP-SM SW-SM	A-1	0	0-5	75-90	50-65	25-40	5-15	---	NP
	11-31	Gravelly Sand Gravelly Loamy Sand	SP-SM SW SW-SM	A-1	0	0-5	75-90	50-65	20-35	0-10	---	NP
	31-35	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Hartig Variant	0-2	Extremely Gravelly Coarse Sand	GP GW	A-1	0-5	30-45	25-40	15-30	10-25	0-5	---	NP
	2-16	Extremely Gravelly Sandy Loam	GM	A-1	0	15-30	30-45	25-40	15-30	10-15	---	NP
	16-20	Very Gravelly Sandy Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rubble Land	---				---	---	---	---	---	---	---	---
1103: Mirkwood	0-7	Very Cobbly Fine Sandy Loam	GM SM	A-1 A-2	0-5	30-45	50-80	45-70	35-50	20-30	15-25	NP-5
	7-14	Very Gravelly Clay Loam Very Gravelly Loam	GC SC	A-2	0	5-15	60-75	40-50	30-50	25-35	35-45	15-20
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Nemico	0-6	Very Stony Sandy Loam	SM	A-2	5-25	5-25	85-95	65-85	50-65	15-35	---	NP
	6-18	Gravelly Clay Loam Gravelly Clay	CH CL SC	A-7	0	0-5	70-80	55-75	50-65	40-55	45-60	20-30
	18-21	Indurated	---	---	---	---	---	---	---	---	---	---
	21-25	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
1110:												

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
1110: Surgem	In											
	0-6	Extremely Stony Sandy	GM	A-1	25-50	0-10	40-50	30-40	20-30	10-20	20-25	NP-5
	6-22	Very Gravelly Clay Very Cobbly Clay Extremely Cobbly Sandy	GC	A-2	0-5	25-55	35-60	20-45	15-40	10-35	40-55	20-30
	22-30	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Olac	0-4	Very Stony Loam	GC	A-2	5-25	5-20	40-60	35-55	25-40	20-30	25-30	10-15
	4-14	Extremely Gravelly Clay Loam	GC	A-2	5-10	10-20	30-45	20-35	15-30	10-25	30-40	15-20
	14-18	Extremely Gravelly Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Cagle	0-2	Very Stony Loam	GC	A-6	5-25	5-45	55-75	50-70	45-60	35-45	30-35	10-15
	2-30	Gravelly Silty Clay Gravelly Clay Gravelly Clay Loam	SC CH CL GC	A-7	0	0-5	60-85	50-75	45-75	40-65	45-55	20-30
	30-34	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
1121: Duco	0-4	Very Cobbly Fine Sandy Loam	GC GC-GM SC-SM	A-2 A-4	0-5	25-50	55-80	50-75	35-60	25-50	20-30	5-10
	4-19	Very Gravelly Clay Loam Extremely Stony Clay Loam Very Cobbly Sandy Clay Loam	GC	A-2	5-30	10-55	35-60	30-55	20-35	15-30	35-40	15-20
	19-23	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1121: Nosrac	In											
	0-12	Very Stony Loam	GC	A-2	5-25	5-25	35-55	30-50	30-45	20-30	30-35	10-15
	12-45	Very Gravelly Loam	GC	A-2	0-10	5-25	45-55	40-50	30-45	25-35	35-40	15-20
		Very Gravelly Clay Loam										
	45-60	Very Gravelly Fine Sandy Loam	GC	A-2 A-6	0-10	10-25	35-55	30-50	25-45	20-40	30-35	10-15
		Very Gravelly Clay Loam										
		Very Gravelly Loam										
1131: Gamgee	0-4	Gravelly Sand	SW-SM	A-1	0	0-5	60-80	50-75	30-40	5-10	---	NP
	4-17	Loam	CL	A-6	0	0-5	90-100	80-95	60-75	45-60	35-40	15-20
		Clay Loam	SC									
	17-60	Stratified Sandy Loam To Clay Loam	CL SC	A-6	0	0-5	90-100	80-95	60-75	45-60	25-35	10-15
1141: Old Camp	0-4	Extremely Stony Loam	GC-GM	A-2	25-50	10-20	60-70	55-65	50-60	30-40	15-25	NP-10
			GM	A-4								
	4-14	Extremely Cobbly Clay	GC	A-2	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
		Extremely Stony Sandy Clay Loam		A-6								
		Very Stony Clay Loam										
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Mirkwood	0-4	Extremely Stony Loam	GC-GM	A-1	25-40	10-30	40-60	25-40	20-35	15-25	15-25	NP-10
			GM	A-2								
	4-14	Very Gravelly Loam	GC	A-2	0-5	5-15	60-75	40-55	30-50	25-35	35-45	15-20
		Very Gravelly Clay Loam	SC									
	14-18	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1141: Nemico	In											
	0-6	Very Stony Sandy Loam	SM	A-2	5-25	5-25	85-95	65-85	50-65	15-35	---	NP
	6-18	Gravelly Clay Gravelly Clay Loam	CH CL SC	A-7	0	0-5	70-80	55-75	50-65	40-55	45-60	20-30
	18-21 21-25	Indurated Unweathered Bedrock	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
1142: Old Camp	0-4	Very Stony Loam	GC-GM GM	A-2 A-4	5-25	20-30	60-70	55-65	45-55	30-40	15-25	NP-10
	4-14	Very Cobbly Clay Loam Extremely Stony Sandy Clay Loam	GC	A-2 A-6	15-25	20-30	40-55	35-50	30-45	25-40	30-40	15-25
	14-18	Very Stony Clay Loam Unweathered Bedrock	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
	0-9 9-35	Very Stony Fine Sandy Very Gravelly Fine Sandy Loam	GM GM	A-1 A-1	5-25 0-5	10-30 10-50	35-45 30-55	25-35 25-50	20-30 20-40	10-20 10-15	--- ---	NP NP
Holbrook Variant		Very Cobbly Sandy Loam Extremely Cobbly Sandy Loam										
	35-39	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-4 4-14	Extremely Stony Sandy Very Cobbly Clay Loam Extremely Stony Sandy Clay Loam	SM GC	A-1 A-2 A-6	25-50 15-25	5-10 20-30	60-70 40-55	55-65 35-50	35-45 30-45	15-25 25-40	15-25 30-40	NP-5 15-25
	14-18	Very Stony Clay Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
1143: Old Camp	0-4 4-14	Extremely Stony Sandy Very Cobbly Clay Loam Extremely Stony Sandy Clay Loam	SM GC	A-1 A-2 A-6	25-50 15-25	5-10 20-30	60-70 40-55	55-65 35-50	35-45 30-45	15-25 25-40	15-25 30-40	NP-5 15-25
	14-18	Very Stony Clay Loam Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
1143: Reno Variant	0-11	Very Stony Sandy Loam	SM	A-2 A-4	5-20	20-45	80-95	75-90	65-80	30-45	---	NP
	11-18	Loam	CL	A-6	0	0-5	90-100	75-100	65-95	50-75	30-35	10-15
	18-24	Cemented	---	---	---	---	---	---	---	---	---	---
	24-28	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Hyloc	0-3	Gravelly Loam	CL	A-4	0	0-5	70-85	65-80	55-70	55-65	20-30	5-10
	3-18	Gravelly Clay Clay	CL-ML CH	A-7	0	5-15	85-95	80-95	70-90	55-65	50-60	25-35
	18-22	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	22-26	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
1144: Jubilee	0-10	Loam	CL CL-ML	A-4	0	0	100	100	85-95	60-75	20-30	5-10
	10-38	Stratified Coarse Sandy Loam To Fine Sandy Loam	SM	A-2	0	0	95-100	85-100	55-60	25-35	15-25	NP-5
	38-60	Stratified Coarse Sand To Sandy Loam	SM	A-1	0	0	95-100	85-100	40-50	10-20	0-14	NP
Dressler	0-18	Sandy Loam	SM	A-2	0	0-5	90-100	80-90	40-50	25-35	---	NP
	18-60	Stratified Sand To Cobbly Coarse Sandy Loam	SM SP-SM SW-SM	A-1	0-2	10-30	80-90	65-80	35-45	5-15	---	NP
Kimmerling	0-22	Loam	CL	A-6	0	0	100	100	85-95	70-80	30-35	10-15
	22-42	Stratified Loam To Silty Clay Loam	CL	A-6 A-7	0	0	100	100	90-100	70-80	35-45	15-25
	42-60	Stratified Gravelly Loamy Sand To Silty Clay Loam	CL SC	A-6	0	0	75-100	70-100	50-90	40-65	30-40	10-20

Table H. - Engineering Index Properties - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
1144: Jubilee	In											
	0-5	Loam	CL	A-4	0	0	100	100	85-95	60-75	25-35	5-15
	5-37	Stratified Coarse Sandy Loam To Fine Sandy Loam	CL-ML SM	A-6 A-2	0	0	95-100	85-100	55-60	25-35	15-25	NP-5
	37-60	Stratified Coarse Sand To Sandy Loam	SM	A-1	0	0	95-100	85-100	40-50	10-20	0-14	NP
1145: Water	---				---	---	---	---	---	---	---	---